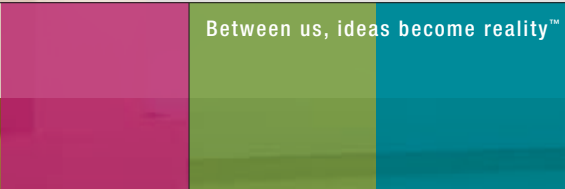




CEILING&WALL SYSTEMS

Between us, ideas become reality™



METAL
WOOD
TRANSLUCENT
MINERAL FIBER
FIBERGLASS

2013 • 2014



ceilings,
installation
systems,
& walls

contents

FEATURED ON OUR COVER

WoodWorks® Radial Custom Ceiling System in custom veneers: Quartered Anigre and African Mahogany; MetalWorks™ RH200 Custom Ceiling System in White; Optima® Radial Custom Ceiling in White

Montefiore Conference Center, Bronx, NY
Architect: Castaneda Architect, P.C.,
New York, NY

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Look for this icon throughout the catalog for products introduced in the last 12 months.

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adaptations

new approaches to ceiling design



layered

Custom
looks from
standard
products

faceted



staggered



CEILING DESIGNS – STANDARD PRODUCTS

- 1 Ultima® Create!™ Lay-in panels on 360° Painted Grid; Axiom® Classic 2", 4", 6", and 12" curved trim in custom color – Hickman Mills, Freda Markley Early Childhood Center, Kansas City, MO
- 2 Ultima® High NRC Tegular, 24" x 48" panels on Suprafine® 9/16" suspension system – Wake Forest University Charlotte Center, Charlotte, NC
- 3 MetalWorks® Linear Faceted System unperforated in Effects™ Cherry; Kingswood Arts Center, Wolfeboro, NH
- 4 MetalWorks™ Vector® in Custom Effects™ Koa on Prelude® 15/16" suspension system in Black – Honolulu International Airport, Honolulu, HI



sloped

ONE-OF-A-KIND DESIGNS USING STANDARD PRODUCTS



free floating



Custom
looks from
standard
products



2



3

CEILING DESIGNS – STANDARD PRODUCTS

- 1 Formations™ Curves with Ceramaguard® Fine Fissured™ 8" and 12" Lay-in panels; Axiom® Classic curved trim in White; Prelude® XL® 15/16" suspension system in White
Formations Curves with 360° Painted Grid in Custom RAL 1021 and 8" Axiom Classic curved trim in Custom RAL 1021
Formations Squares with MetalWorks™ Vector® Microperforated panels in Gun Metal Grey with 8" Axiom Classic Trim in Gun Metal Grey on Prelude XL 15/16" suspension system in Gun Metal Grey – Valley Center High School, Valley Center, KS
- 2 WoodWorks® Linear FSC®-certified 96" x 5-1/4" panels in Natural Variations™ Light Cherry; Custom 4" upturn – Lawrence University, Richard and Margot Warch Campus Center, Appleton, WI
- 3 SoundScapes® Acoustical Canopies in White – Morningstar Enterprises, Kelowna, BC
- 4 MetalWorks Wings in Silver Grey – Westerly High School, Westerly, RI



4

6



ripple effects

Custom
looks from
standard
products



CEILING DESIGNS

- 1 Infusions® Accent Canopies 24" x 60" in perforated Alloy – University of Texas at San Antonio, John Pearce Library, San Antonio, TX
- 2 Serpentina® Waves™ in Champagne Gold & Wolf (color achieved with lighting) – Destiny USA Mall, Syracuse, NY
- 3 Serpentina Classic unperforated, custom color – CDW Corporation, Vernon Hills, IL
- 4 Ultima® Beveled Tegular on Suprafine® 9/16" suspension system in White; Infusions Accent Canopies 24" x 60" in Tranquility Teal and Sage Happiness with end-to-end linking – Fox Lake District Library, Fox Lake, IL





curves ahead



Custom
looks from
standard
products



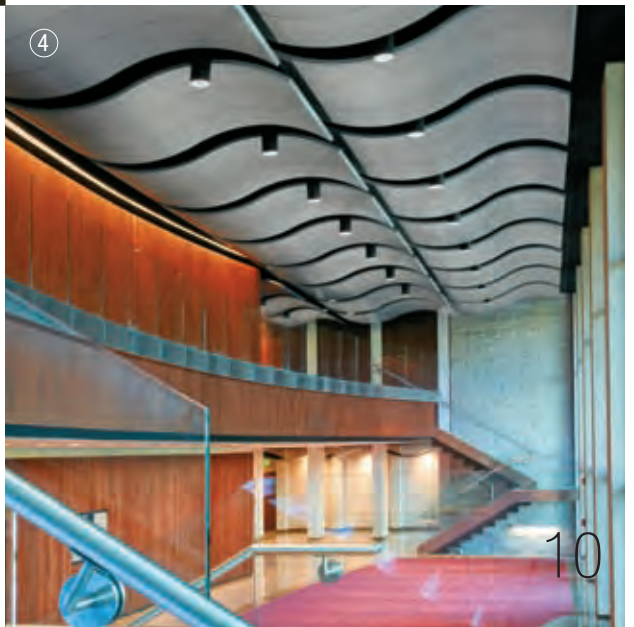
2



3

CEILING DESIGNS

- 1 Optima® 12" x 96" Tegular, Ceiling-to-Wall Faceted Transitions; Interlude® 9/16" suspension system – Bayer Interventional, Coon Rapids, MN
- 2 WoodWorks® Linear 4-1/2" Faceted planks in Natural Variations™ Beech – Robert Trail Library and License Center, Rosemount, MN
- 3 MetalWorks™ Linear 8" Faceted System microperforated in Silver Grey – Unilever Food Solutions, Lisle, IL
- 4 Serpentina® Waves™ in Silver Satin, R062 perforation – Lewis & Clark Community College, Godfrey, IL



4

10

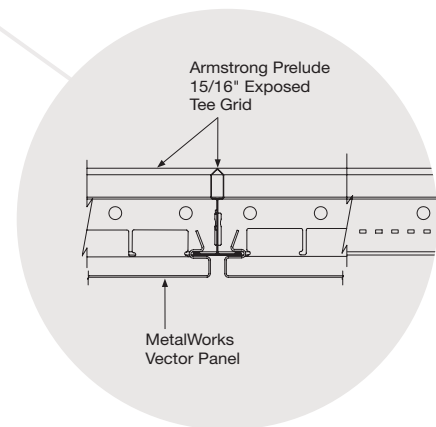
Optima® Tegular Plank 48" x 96"
 Axiom Classic 10" trim in White
 Interlude® 9/16" suspension system
 in White – STAC Clips
 Ivy Tech Community College
 Indianapolis, IN
 Schmidt Associates
 Indianapolis, IN

CEILING
 TRIM
 SUSPENSION
 LOCATION
 ARCHITECT



complete systems...

the panels, the suspension systems, the installation accessories... tested and warranted



CEILING Metalworks™ Vector in Silver Grey with Micro Perforation
 TRIM Custom Serpentina® Perimeter Trim
 SUSPENSION Prelude® XL® 15/16" Suspension System in Silver Grey
 LOCATION Springville City Library, Springville City, UT
 ARCHITECT JCRA Architects, Salt Lake City, UT
 Artwork by QUIRK



education

CEILING	WoodWorks® DP59 Ceiling System – custom Cherry finish, custom perforation
TRIM	WoodWorks custom trim in custom Cherry finish
WALLS	WoodWorks DP59 Ceiling System – custom Cherry finish, custom perforation
LOCATION	Southern California Telemedicine Learning Center, University of California San Diego School of Medicine San Diego, CA
ARCHITECT	Skidmore, Owings & Merrill LLP San Francisco, CA



COMPLETE SYSTEMS...TESTED AND WARRANTED



healthcare

CEILING	WoodWorks® Radial with Rg 8020 perforation (custom configuration) in Constants™ Cherry; Optima® Plank
TRIM	Armstrong® custom curved upturns in Constants Cherry
SUSPENSION	Armstrong custom-engineered suspension system (Radial); Interlude® XL® suspension system (Plank)
LOCATION	Helen DeVos Children's Hospital Grand Rapids, MI
ARCHITECT	URS Corporation, Grand Rapids, MI

Serpentina® Classic 24" x 72" with R250 perforation in Silver Satin;
 Optima® 24" x 24" Tegular
 Suprafine® XL® suspension system
 Serpentina Hanging Kit with StrongBack™ Support (included in Serpentina Waves Kit)
 Children's Hospital of the King's Daughters, Norfolk, VA
 PF&A Design, Norfolk, VA

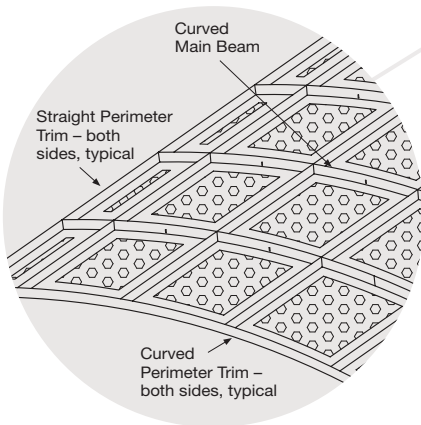
CEILING

TRIM

SUSPENSION

LOCATION

ARCHITECT



CEILING

SoundScapes® Shapes
 Rectangles 48" x 96" in Shell,
 Pecan, Sky, and Moss

SUSPENSION

Drywall Hanging Kit #5455

LOCATION

Brown County Community
 Treatment Center
 Green Bay, WI

ARCHITECT

Horty Elving, Minneapolis, MN

COMPLETE SYSTEMS...TESTED AND WARRANTED

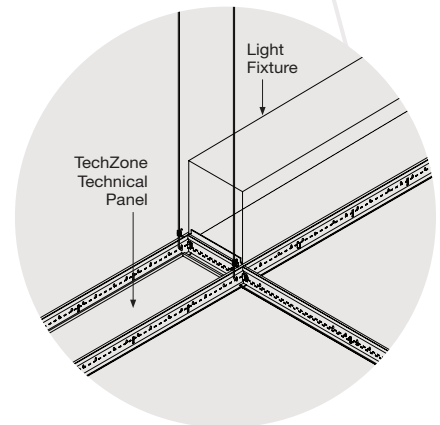
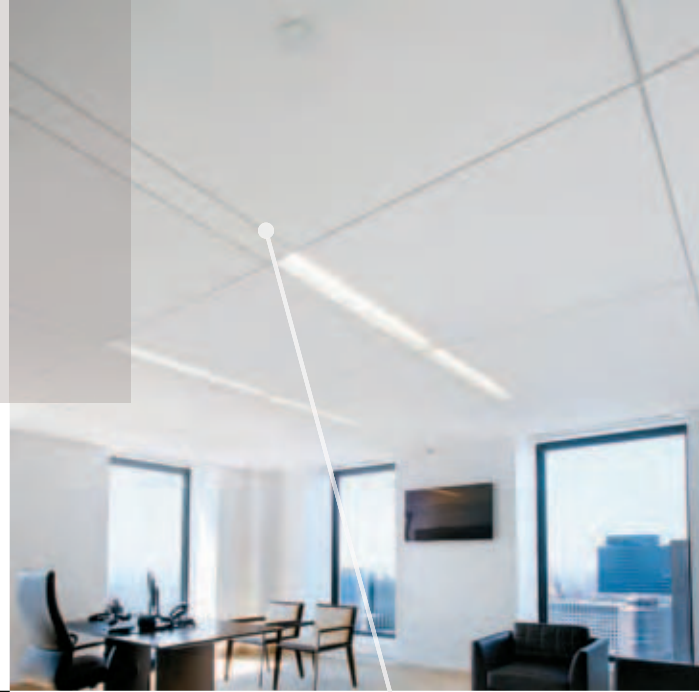
TechZone™ Ceiling System
 Optima® Square Tegular 48" x 48"
 Field Panels and 48" x 6"
 Technical Panels
 Silhouette® 1/4" reveal
 suspension system in White
 Interventure Capital Group
 StrongBack™ Support (included
 Corporate Office, New York, NY
 RBSD Architects, New York, NY

CEILING

SUSPENSION

LOCATION

ARCHITECT



CEILING

SoundScapes® Shapes Acoustical Clouds
 Hexagon, Trapezoid, Large Rectangle,
 Left and Right Parallelogram panels
 in White

SUSPENSION

Angled Hanging Kit 10' #5438

LOCATION

North Carolina Dance Theatre,
 Charlotte, NC

ARCHITECT

Smallwood, Reynolds, Stewart, Stewart &
 Associates, Inc., Atlanta, GA

office

CEILING WoodWorks® Concealed 24" x 72" Natural Variations™ Light Cherry, Perforation Pattern Lg 9512

SUSPENSION Prelude® XL® 15/16" suspension system in Black

WALLS WoodWorks Concealed 24" x 72" Natural Variations Light Cherry, Perforation Pattern Lg 9512; Wall attachment Z-Clip #5672

LOCATION Rockford Showroom, Austin, TX

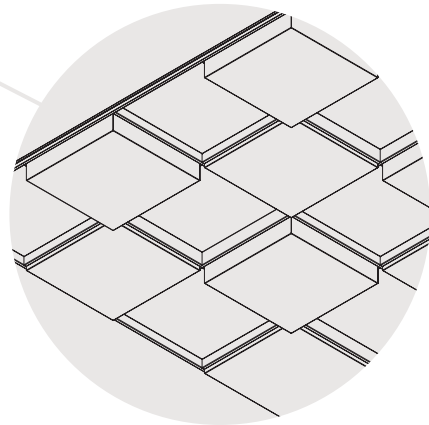
ARCHITECT Dunnam Tita Architecture + Interiors, Austin, TX



COMPLETE SYSTEMS...TESTED AND WARRANTED

WoodWorks® Grille Walnut 1-3/8" blade,
WoodWorks Vector® Walnut planks
6" Wood perimeter trim
Prelude® XL® 15/16" suspension
system in Black
Fossil Headquarters
Richardson, TX
Corgan Associates, Inc., Dallas, TX

CEILING
TRIM
SUSPENSION
LOCATION
ARCHITECT



CEILING MetalWorks™ 3D in various depths
in White unperforated
SUSPENSION Suprafine® ML 15/16" suspension
system in White
LOCATION Travel Traders at Marriott Marquis
New York, NY
ARCHITECT Tricarzio Architecture and Design PC
Wayne, NJ

CEILING Serpentina® Waves™ in Champagne Gold & Wolf (color achieved with lighting)

SUSPENSION Serpentina Hanging Kit with StrongBack™ Support (included in Serpentina Waves Kit)

LOCATION Destiny USA Mall, Syracuse, NY

ARCHITECT Holmes – King – Kallquist & Associates Architects, Syracuse, NY

retail



COMPLETE SYSTEMS...TESTED AND WARRANTED



hospitality

CEILING	MetalWorks™ Vector® Faceted Extra Microperforated panels in Effects™ Dark Cherry
TRIM	Axiom® Classic 6" trim in Black
SUSPENSION	Prelude® XL® 15/16" suspension system in Black
LOCATION	Mount Saint Mary College, Newburgh, NY
ARCHITECT	Liscum McCormack VanVoorhis LLP, Poughkeepsie, NY

Metalworks™ Tin Tegular
in Lacquered Steel
with Pattern 56007

Prelude® 15/16" Suspension
System in Silver Satin

Burger Garage,
Long Island City, NY

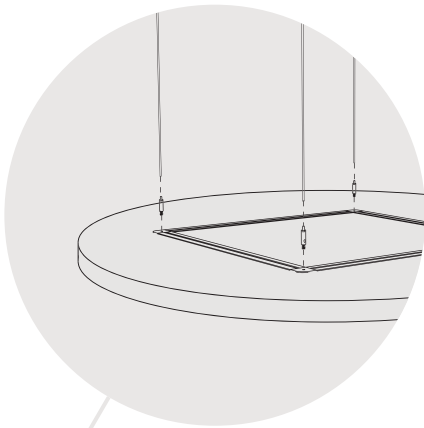
Cybul & Cybul Architects,
Edgewater NJ

CEILING

SUSPENSION

LOCATION

ARCHITECT



COMPLETE SYSTEMS...TESTED AND WARRANTED



CEILING SoundScapes® Shapes Acoustical
Clouds 48" Circle panels in White

SUSPENSION Deck Hanging Kit #5450

LOCATION MacGuffins at AMC Dine-In Theatre
Grapevine, TX

ARCHITECT Fishbeck, Thompson, Carr & Huber, Inc.
Grand Rapids, MI

WoodWorks® Vector® Custom –
 12" x 48" perforated panels in
 Custom Cherry

Prelude® XL® 15/16" suspension
 system in Black

Tampa International Airport
 Tampa, FL

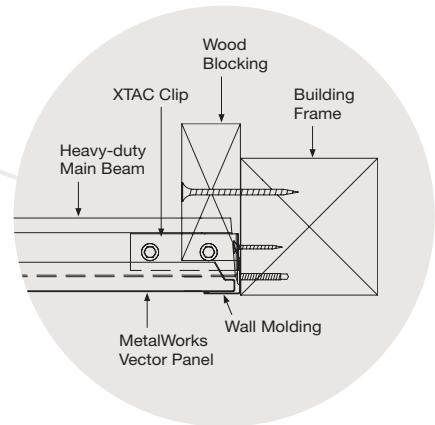
Alfonso Architects, Inc.
 Tampa, FL

CEILING

SUSPENSION

LOCATION

ARCHITECT



CEILING MetalWorks™ Vector® Exterior
 Ceilings unperforated in
 Silver Grey

SUSPENSION Prelude® XL® 15/16" suspension
 system for Exterior Applications in
 Silver Grey with RC2 Clips

LOCATION RTC Bonneville Transit Center
 Las Vegas, NV

ARCHITECT SH Architecture, Las Vegas, NV

CEILING Optima® Vector® 24" x 24",
24" x 48", and 48" x 48" panels
TRIM Axiom® Classic trim in White
SUSPENSION Prelude® XL® 15/16" suspension
system in White
LOCATION San Francisco International Airport
San Francisco, CA
ARCHITECT Gensler, San Francisco, CA

transportation



COMPLETE SYSTEMS...TESTED AND WARRANTED

CEILING SYSTEMS AT-A-GLANCE

Standard 2' x 2'
Panels

Vector® Panels

Non-standard
Sizes

Planks

Radial/Trapezoid
Shapes

METAL



MetalWorks™ Tegular
Pgs. 79-80



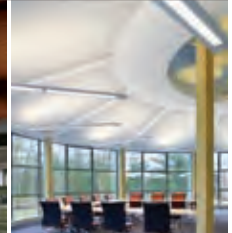
MetalWorks Vector®
Pgs. 81-82



MetalWorks Torsion Spring
Pgs. 75-76



MetalWorks Linear
Pgs. 83-85



MetalWorks Radial
Pg. 99-100

WOOD



WoodWorks® Tegular
Pgs. 113-114



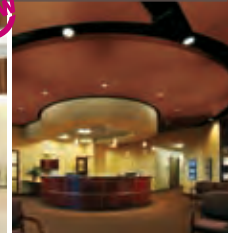
WoodWorks Vector®
Pgs. 113-114



WoodWorks Custom
Pgs. 131-134



WoodWorks Linear
Pg. 119-122



WoodWorks Radial
Pg. 131-134

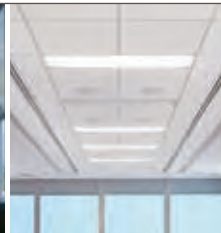
MINERAL FIBER



Ultima® Create!
Pgs. 165-167



Ultima Vector
Pgs. 231-232



Ultima
Pgs. 223-228



Ultima
Pgs. 223-228

FIBERGLASS



Optima Create!
Pgs. 165-167



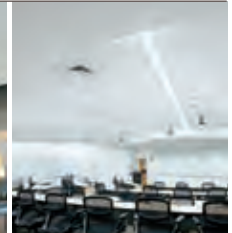
Optima® Vector
Pgs. 201-202



Optima
Pgs. 194-200



Optima
Pgs. 194-200



Optima Radial
Pgs. 207-208

TRANSLUCENT
MATERIALS











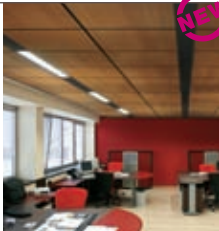

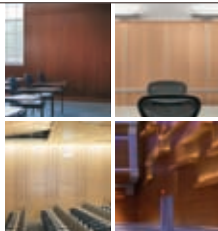



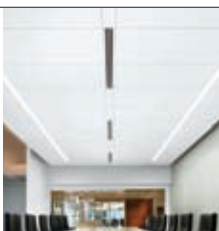




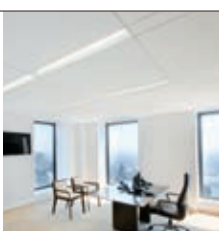


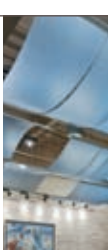

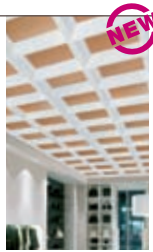


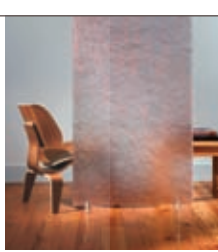
Infusions® Panels
Pgs. 139-142



Infusions® Panels
Pgs. 139-142

portfolio

WALL SYSTEMS AT-A-GLANCE

Canopies & Clouds	Vertical Elements	Exposed Structure Acoustical Solutions	Integrated Systems	Ceiling to Wall Transitions	WALL SYSTEMS
 <p>MetalWorks Canopies Pg. 39</p>	 <p>MetalWorks Blades Pg. 59-60</p>	 <p>MetalWorks Capz™ Pgs. 31-32</p>	 <p>TechZone™ Ceiling System MetalWorks Panels Pgs. 235-241</p>	 <p>MetalWorks Custom Ceilings & Walls Pgs. 99-100</p>	 <p>Custom Metal Walls Pgs. 315-316</p>
 <p>WoodWorks Canopies Pg. 55</p>		 <p>WoodWorks Custom Clouds Pgs. 131-134</p>	 <p>TechZone Ceiling System WoodWorks Panels Pgs. 235-241</p>	 <p>WoodWorks Custom Ceilings & Walls Pgs. 131-134; 317-319</p>	 <p>WoodWorks Walls (Channeled, Ekos™, Standard, Custom) Pgs. 317-323</p>
 <p>SoundScapes® Canopies Pg. 49</p>	 <p>BioAcoustic Soundsoak Baffles Pgs. 63-64</p>	 <p>Formations™ Clouds Pgs. 33-36</p>	 <p>TechZone Ceiling Systems Ultima Panels Pgs. 235-241</p>		 <p>Soundsoak® Custom Walls Pgs. 311-312</p>
 <p>SoundScapes® Shapes Pgs. 51-52</p>	 <p>SoundScapes® Blades Pgs. 61-62</p>	 <p>Optima Capz™ Pgs. 31-32</p>	 <p>TechZone Ceiling Systems Optima Panels Pgs. 235-241</p>	 <p>Optima Custom Ceilings & Walls Pgs. 203-204; 314</p>	 <p>Soundsoak Walls Pgs. 311-312</p>
Coffers					
 <p>Infusions® Canopies Pgs. 27-28</p>	 <p>Infusions Panels Pgs. 139-140</p>	 <p>Metaphors Coffers with Translucent, Metal, and Mineral Fiber Panels Pgs. 189-190</p>			 <p>Infusions Partitions & Walls Pg. 324-326</p>

PORTFOLIO AT-A-GLANCE

HOW CANOPIES AND CLOUDS COMBINE BEAUTIFUL DESIGN WITH GREAT ACOUSTICS

Sabin



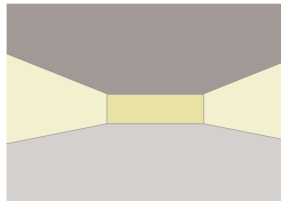
The preferred metric for measuring acoustics for “space absorbers” like clouds and canopies.

Total acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC, while “space absorbers” are directly measured. Acoustical clouds and canopies can provide greater sound absorption than a continuous ceiling of the same surface area, because the sound is absorbed from both the front and back surfaces.

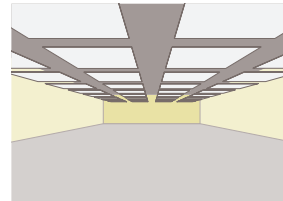
The installation of clouds or canopies in a reverberant space can significantly reduce the background noise and reverberation time, enhancing speech intelligibility.



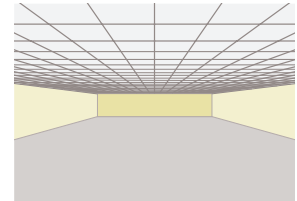
Exposed Structure



Shapes Installation



Continuous Ceiling



OPEN PLAN BUILDING

5,000 SF Exposed Structure
(50' x 100'), 15' to deck,
drywall with windows on two
sides, commercial carpet

	No Treatment (0% Coverage)	SoundScapes Shapes (50% coverage)	Continuous Optima® Ceiling (100% Coverage)
Ceiling	Exposed Structure	156 Shapes: 46" x 46" Squares	Suspended 60" Below Deck
Sabin/SF	0	1.49	0.90
Reverberation Time (RT)	3.4 sec	0.9 sec	0.5 sec
RT Improvement	ref	73%	86%
SPL Reduction (dB)	ref	4.5	-6.0

For definitions of acoustical terms, see page 333 in this catalog.

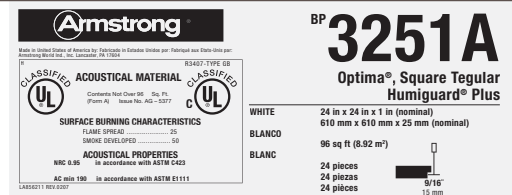
Be Sure You Get the Acoustic Values You Specify

UL Classified Acoustics Since 1998

Armstrong carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.



This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

soundscapes

SoundScapes Shapes – Custom sizes and colors
Harrah's Casino, Cherokee, NC
Cunningham Group Architecture, Inc., Minneapolis, MN



CLOUDS & CANOPIES

Clouds, Canopies, and Acoustical Panels At-a-Glance

CLOUDS



Formations™ Clouds pgs. 33-36



Infusions® & MetalWorks™ Wings pg. 40



Serpentina® Classic pgs. 41-42



Serpentina Vault pgs. 43-44



Serpentina Waves™ pgs. 45-48



SoundScapes® Shapes pgs. 51-52



ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics

Sabin measures are noted under physical data for each product.



Product has NRC (Noise Reduction Coefficient) 0.70 or greater (applies to Capz only).

Seismic

Category D, E & F

Fire Performance

Performance in Clouds and Canopies is dependent on panel attributes. See product pages for specific panel performance.

Light Reflectance

Light reflectance of 0.83 or greater.

BioBlock® Plus

Inhibits or retards growth of mold/mildew and odor/stain-causing bacteria on surface layers.

Humidity/Sag Resistance

HumiGuard Plus

Superior sag resistance, recommended for areas subject to very high humidity (panel dependent; see product pages for details.)

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity.

Scrubability

Product is scrubable. See specific info on product page.

Impact Resistance

Excellent resistance to surface impact.

Scratch Resistance

Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability

Available in color.

Recycle Program

Product is recyclable through the Armstrong Recycling Program.

For information about WoodWorks, MetalWorks, and SoundScapes Shapes custom cloud and canopy capabilities (as well as custom Baffles), contact the Architectural Specialties project management team at 1 877 ARMSTRONG and select options 1-1-4.

CANOPIES



Infusions Accent Canopies pgs. 37-38



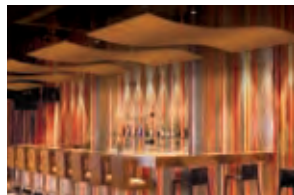
MetalWorks Canopies pg. 39



SoundScapes Acoustical Canopies pg. 49



SoundScapes Basics pg. 50



WoodWorks® Canopies pg. 55



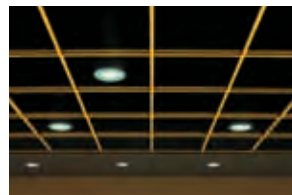
ACOUSTICAL PANELS



Capz™ - MetalWorks, Optima® & Spectra™ pgs. 31-32



360° PAINTED GRID SUSPENSION SYSTEM



pgs. 53-54



Clouds, Canopies, and Acoustical Panels

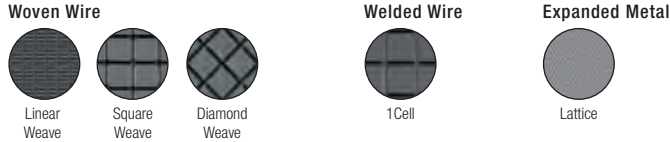
Colors, Finishes, and Patterns

FORMATIONS™ Clouds Panels Colors, finishes, and patterns listed may not apply to each individual product. Before specifying, consult product details at armstrong.com/canopiesandclouds

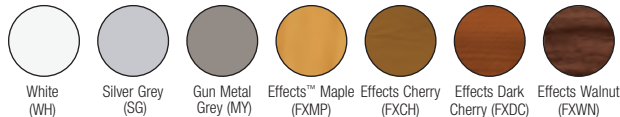
INFUSIONS® Lay-in panels (additional options on product pages 139-142)



METALWORKS™ Mesh™ Lay-in panels (additional options on product pages 85-86)



METALWORKS Square Tegular and Vector® (product pages 79-80)



WOODWORKS® Grille Tegular and Open Cell (additional options on product pages 86, 119-122)

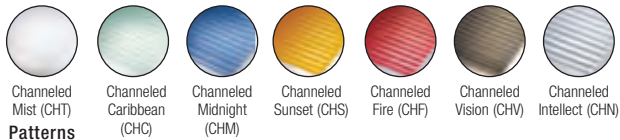


OPTIMA®/ULTIMA® Tegular and Vector (product pages 195-202, 223-230)

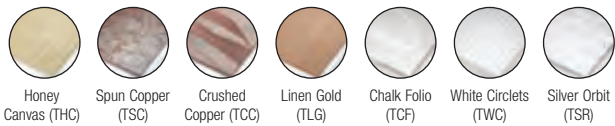


INFUSIONS Canopies (additional options on product pages 37-38)

Channeled



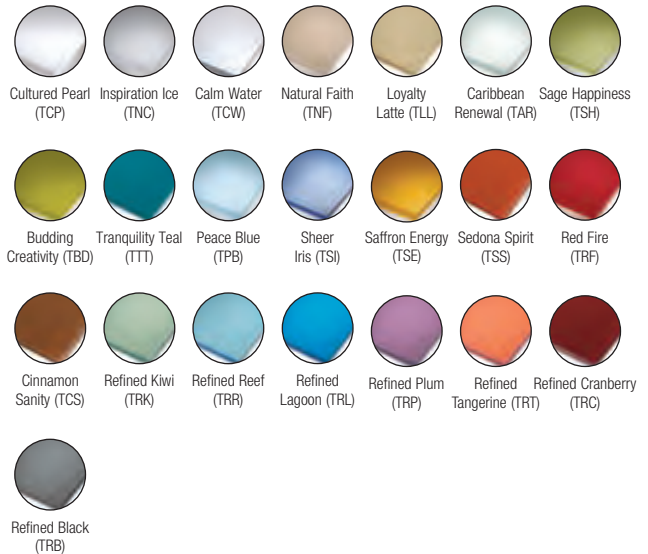
Patterns



Alloy

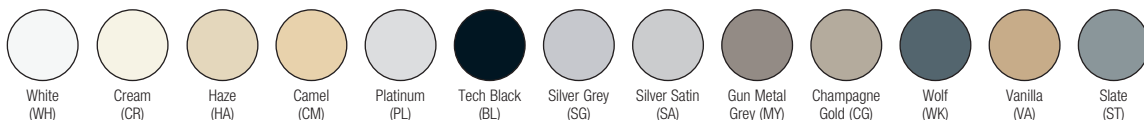


Solids

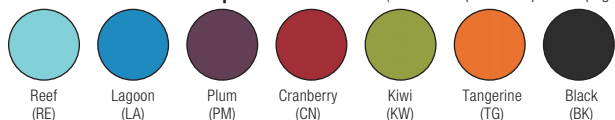


SERPENTINA® Clouds and SERPENTINA Waves™ (product pages 41-42, 45-48)

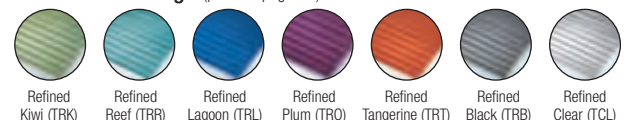
Metal Infills



SOUNDSCAPES® Canopies and Clouds (additional options on product pages 49-51)



INFUSIONS® Wings (product page 40)



WOODWORKS Canopies (product page 55)

Standard (partial list)



Custom Veneers (partial list)

Capz™ Acoustical Panels (product pages 31-32)



METALWORKS Capz, Canopies, and Wings (product pages 31-32, 39-40)



Capz™

METALWORKS™, OPTIMA®, and SPECTRA™

acoustical ceiling options



Optima Capz 48" x 96" panels with White Capz

KEY SELECTION ATTRIBUTES

- Noise is absorbed on both the front and back of panels (NRC 0.75 - 0.95)
- Panel options:
 - Optima Capz
 - Spectra Capz
 - MetalWorks Capz
- High light reflectance 0.90 (Optima)
- Easy alignment suspension system
- MetalWorks panels feature:
 - ExpanTech™ technology for larger panel sizes with 10 times less deflection than standard large-size metal panels (without the use of panel stiffeners)
 - Durable – Washable, Scrubbable, Impact, and Soil-resistant
 - Custom RAL colors available.

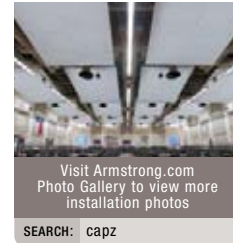
TYPICAL APPLICATIONS

- Exposed structure
- Drywall spaces requiring acoustical correction
- Painted decks

Capz can be installed:

- Directly to the deck
- On drywall
- Suspended like a continuous ceiling

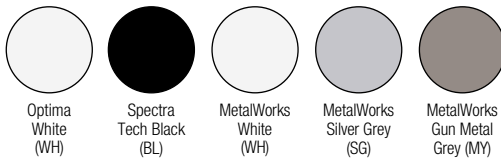
Panels can be designed in long runs or grouped based on the acoustical needs of the space.



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: capz

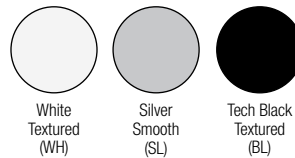
PANEL COLOR SELECTION*



* Due to printing limitations, shade may vary from actual product.

CAP COLOR SELECTION*

Optima & Spectra Capz

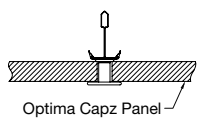


Custom RAL colors available

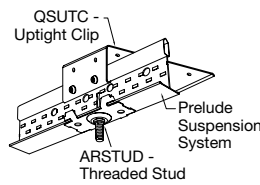
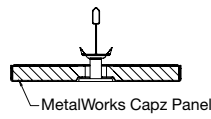
MetalWorks Capz



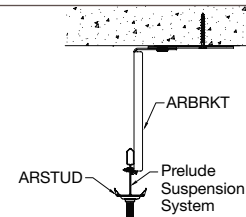
OPTIMA CAPZ



METALWORKS CAPZ

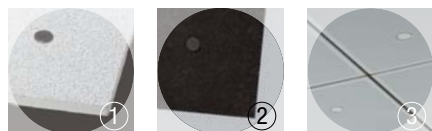


Uptight Clip Installation



AR Bracket Installation

DETAIL



1. Optima White Capz
2. Spectra Tech Black Capz
3. MetalWorks Capz

METALWORKS CAPZ PERFORATION OPTIONS (Actual 1:1 scale shown)



NOTE: MetalWorks Capz panels have a 1/2" unperforated border. Refer to hand sample for visual.

Capz™

METALWORKS™, OPTIMA®, and SPECTRA™
acoustical ceiling options

UP TO **71%** OPTIMA & SPECTRA
LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

85% METALWORKS
RECYCLED CONTENT

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

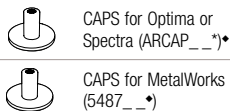
VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

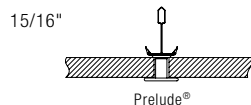
Edge Profile	Item Number*	Dimensions (Inches)	NRC 	Light Reflect 	Fire Rating 	Anti-Mold & Mildew 	Sag Resist 	Durability 				Recycled Content* 	Recycle
OPTIMA and SPECTRA CAPZ Reverse Regular				(White Only)		Bio-Block+	Humi-Guard+	Wash	Scrub	Scratch	Soil	High	Yes
	3934 __♦	24 x 48 x 7/8"	0.95	0.90	Class A	•	•	•	•	•	•	High	•
	3935 __♦	24 x 60" x 7/8"	0.95	0.90	Class A	•	•	•	•	•	•	High	•
	3930 __♦	24 x 72" x 7/8"	0.90	0.90	Class A	•	•	•	•	•	•	High	•
	3931 __♦	24 x 96 x 7/8"	0.90	0.90	Class A	•	•	•	•	•	•	High	•
	3936 __♦	36 x 36 x 7/8"	0.90	0.90	Class A	•	•	•	•	•	•	High	•
	3932 __♦	48 x 48 x 7/8"	0.95	0.90	Class A	•	•	•	•	•	•	High	•
	3933 __♦	48 x 96 x 7/8"	0.95	0.90	Class A	•	•	•	•	•	•	High	•
	NEW FastSize™ (Optima only)	W: 12" - 48" / L: 12" - 120" 7/8" Thick	0.95	0.90	Class A	•	•	•	•	•	•	High	•
METALWORKS CAPZ Standard Sizes													
	64901M10 __♦	48 x 48 x 9/16" (1 pc carton)	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64902M10 __♦	48 x 48 x 9/16" (2 pc carton)	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
METALWORKS CAPZ Premium Sizes*													
	64780M10 __♦	24 x 48 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64790M10 __♦	24 x 60 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64910M10 __♦	24 x 72 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64920M10 __♦	24 x 96 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64930M10 __♦	36 x 36 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•
	64940M10 __♦	48 x 96 x 9/16"	0.95†	0.90	Class A	•	•	•	•	•	•	High	•

♦ When specifying or ordering, include the appropriate 2-letter suffix Example: 3934 WH for Optima White; 3934 BL for Spectra Tech Black; 64901M10 WH for MetalWorks.
* Minimum order quantities and extended lead times may apply.
† With BioAcoustic infill item 5479. NRC of 0.90 with fiberglass infill 8200100 and 0.80 as sold.

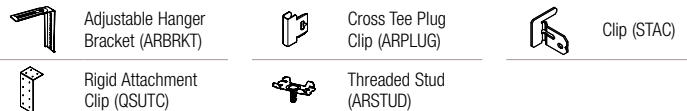
CAPS



SUSPENSION SYSTEMS



ACCESSORIES



PHYSICAL DATA

Material
Optima is fiberglass with a DuraBrite® acoustically transparent scrim. Spectra Tech Black is fiberglass with an acoustically transparent scrim. MetalWorks is aluminum composite – 0.57" thick.

Surface Finish
Optima White has a DuraBrite finish with factory-applied latex paint providing superior light reflectance. Spectra Black has a factory-applied latex paint. MetalWorks has factory-applied powder-coated finish (post coated).

Fire Performance
Optima/Spectra – ASTM E84 and CAN/ULC S102 surface burning characteristics; Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)
MetalWorks – ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed 50 or less.

Anti Mold/Mildew & Bacteria
Optima and Spectra are inherently resistant to the growth of mold, mildew, and bacteria.

VOC/Formaldehyde Emissions (MetalWorks only)
Third party certified compliant with California Department of Public Health CDPH/EHLB/ Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Panel Deflection
Capz will naturally deflect due to the Capz four-point (or more) suspension system. Deflection of up to 1/8" has been documented in some cases. Panels should not be installed perpendicular to each other due to varying degrees of deflection.

Design & Installation Considerations
In situations where all suspension points cannot be used, follow our technical guide BPCS-3939 for recommendations.

Panels are installed directional and are marked on the back with arrows.

Suspension system may be visible at panel intersection. Consider using coordinating Prelude®.

Panels may be stacked in layers.

Panels may be installed on a slope using guidelines found in installation instructions BPLA-297435.

Warranty
Optima Capz & Spectra Capz – 10 year;
MetalWorks Capz – 1 year
Details: armstrong.com/warranty

Weight; Square Feet/Carton
3930, 3936 – 0.56 lbs/SF; 72 SF/ctn
3935 – 0.56 lbs/SF; 80 SF/ctn
3931, 3934 – 0.56 lbs/SF; 96 SF/ctn
3932 – 0.56 lbs/SF; 64 SF/ctn
3933 – 0.56 lbs/SF; 128 SF/ctn
MetalWorks – 1 lb/SF



formations

Formations™ Clouds - MetalWorks™ Vector® in Effects™ Cherry extra microperforated with Axiom® Knife Edge® Silver Satin trim and Prelude® grid Sepracor Inc., Marlborough, MA



FORMATIONS™ Acoustical and Accent Cloud Kits



Formations Curves with Ultima® Vector® Panels and Axiom® for Formations Vector 2", 4", and 6" Trim





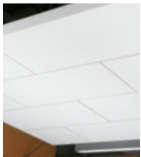

KEY SELECTION ATTRIBUTES

- Acoustical absorbency or accent options in an easy-to-specify, detail and install cloud system
- Ideal for acoustically challenged or open plenum spaces:
 - Reduce acoustical reverberation time in the space
 - Reduce noise levels in the space
 - Increase speech intelligibility
- Clouds appear to float
- Layouts and sizing for full-size panel installation
- Standard components for custom look

Formations Suspension and Axiom Trim Kits

- Axiom, made from extruded aluminum, offers better registration, handleability, and finished appearance vs. standard cold-rolled steel
- Axiom Vector maintains a clean 1/4" Vector reveal at the perimeter when used within factory-finished panels
- Combines the StrongBack™ mounting system with a sleek, strong aircraft cable system to recess the cable two feet away from the vertical face of the cloud, for a clean visual requiring fewer suspension hangers
- Tested for seismic installations
- Suspension Kits include:
 - Axiom Trim cut to length with factory-mitered corners
 - Unique Axiom for Formations StrongBack carrying channel
 - Prelude® XL® components, cut to length
 - Appropriate amount of Axiom splices and T-Bar connectors
 - Aircraft cable, cut to 10' length for attachment to structure

STEP 1: START BY CHOOSING THE FORMATIONS CLOUD THAT FITS YOUR PROJECT NEEDS.

Cloud Type	Description	Cloud Type	Description
	<p>Formations Curves</p> <p>Soften and quiet an open room design by adding a few curves.</p> <ul style="list-style-type: none"> • 16 suspension system/trim colors • 3 standard trim heights • 19 shapes and sizes 		<p>Formations Planks</p> <p>Reduce the amount of visible suspension and create a sleek, clean look.</p> <ul style="list-style-type: none"> • 16 suspension system/trim colors • 3 standard trim heights • 30 shapes and sizes
	<p>Formations Squares/Rectangles</p> <p>Create a bold, captivating ceiling design with outstanding sound absorption.</p> <ul style="list-style-type: none"> • 16 suspension system/trim colors • 3 standard trim heights • 15 shapes and sizes 		<p>Formations for Drywall</p> <p>Improved floating visual compared to field constructed track and channeled clouds.</p> <ul style="list-style-type: none"> • 3 standard trim heights • 21 shapes and sizes
	<p>Formations Staggered</p> <p>Create visually interesting clouds the easy way.</p> <ul style="list-style-type: none"> • 16 suspension system/trim colors • 3 standard trim heights • 78 shapes and sizes 		<p>Formations with DC FlexZone™</p> <p>Distribute safe, low-voltage direct current (DC) electrical power through the acoustical ceiling suspension system (grid) for more efficient lighting.</p> <ul style="list-style-type: none"> • 2 standard trim heights • 2 suspension systems • 12 shapes and sizes



FORMATIONS™ Acoustical and Accent Cloud Kits

STEP 2: SELECT A CEILING PANEL THAT WORKS WITH YOUR CLOUD

ACOUSTICAL PANELS

Due to printing limitations, shade may vary from actual product

Curves / DC FlexZone™

Optima®/Ultima® Tegular and Vector® Panels



NOTE: Ultima and Optima Vector are the only available factory-cut curved panels. Other 2' x 2' mineral fiber/fiberglass panels may be used but may require field cutting. For other non-standard acoustical options, see pages 18-19.

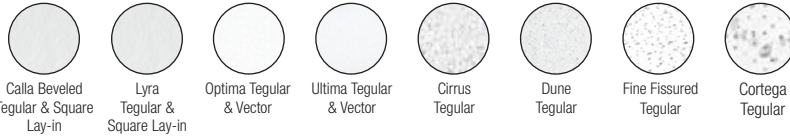
Staggered & Planks

Optima Vector Panels



Squares

Calla™/Optima/Ultima/Cirrus®/Cortega®/Dune™/Fine Fissured™ Tegular, Vector® and Square Lay-in Panels



colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Suprafine® 9/16" suspension system, and select Axiom trim.

Ultima Health Zone™ Create!™ Lay-in Panels



For more information on Create!, visit armstrong.com/create

MetalWorks™ Square Tegular and Vector Panels



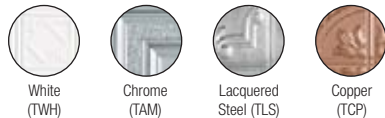
NOTE: Effects colors are only available for extra microperforated panels. Solid wood panels cannot be used for clouds.

ACCENT PANELS

Due to printing limitations, shade may vary from actual product.

Squares

Metalworks Tin Tegular and Vector Panels (11 available)



MetalWorks Mesh™ Lay-in Panels (18 available)



Infusions® Lay-in Panels

Dimensions (15 available) Arbors (4 available)



WoodWorks® Grille Tegular Panels (3 panel designs)

Open Cell Vector Panels (5 panel designs)



NOTE: For a complete list of panels, visit armstrong.com/metalworks; armstrong.com/infusions; armstrong.com/woodworks

STEP 3: SELECT YOUR SUSPENSION SYSTEM AND TRIM COLORS.

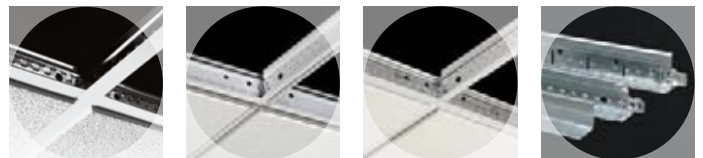
COLOR SELECTION

Due to printing limitations, shade may vary from actual product

Suspension System / Axiom® Trim Colors



SUSPENSION SYSTEMS



Prelude® 15/16" suspension system included in all kits (except Drywall or DC FlexZone)

DC FlexZone Silhouette® 1/4" Reveal 9/16" suspension system

DC FlexZone Suprafine® 9/16" suspension system

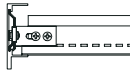
Drywall 1-1/2" suspension system

FORMATIONS™ Acoustical and Accent Cloud Kits

STEP 4: SELECT YOUR AXIOM® TRIM PROFILE AND HEIGHT

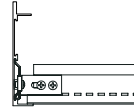
AXIOM TRIM TYPES

Axiom Vector® for Formations



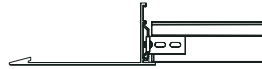
2", 4", and 6" heights

Axiom Vector (Inverted) for Formations



2", 4", and 6" heights

Axiom Knife Edge® for Formations



Axiom Knife Edge Vector for Formations



AXIOM TRIM PROFILE OPTIONS



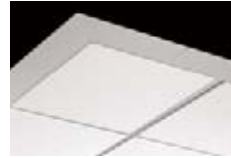
Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



Vector panel with Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



Tegal panel with inverted Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



Tegal panel with Axiom for Formations Knife Edge for Vector Trim



Vector panel with Axiom for Formations Knife Edge for Vector Trim

COMPATIBLE CEILING PANELS

Edge Profile	Panel	Trim Choices:			
		Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector
Formations Curves					
	Lay-in	Available in 2", 4", and 6" heights	Available in 2", 4", and 6" heights	-	-
	Optima®	-	-	-	-
	Square Tegal	•	-	-	-
	Optima	-	•	-	-
	Vector® (Factory-cut)	•	-	-	-
Formations Squares					
	Lay-in	-	•	•	-
	Calla™ Beveled Tegal	•	•	•	•
	Optima Square Tegal	•	•	•	•
	Optima Vector	•	-	-	•
	Ultima® Beveled Tegal	•	•	•	•
	Ultima Vector	•	-	-	•
	Cirrus®/Cortega®/Dune™/Fine Fissured™ Angled Tegal	-	•	•	-
	Ultima® Health Zone™ Create!™ Square Lay-in	-	•	•	-
	MetalWorks™ Square Tegal	•	•	•	•

Edge Profile	Panel	Trim Choices:			
		Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector
Formations Squares continued					
	MetalWorks Vector	•	-	-	•
	WoodWorks® Grille Tegal	•	•	•	•
	WoodWorks Open Cell Vector	•	-	-	-
	Infusions® Lay-in	•	•	•	•
Formations Planks & Staggered					
	Optima Vector	•	-	-	-
Formations for Drywall					
	N/A	Axiom One-piece Drywall Trim			
Formations with DC FlexZone™					
	Optima Square Tegal	•*	-	-	-
	Ultima Beveled Tegal	•*	-	-	-

* 2" trim height not available with DC FlexZone



FORMATIONS™ Acoustical and Accent Cloud Kits – Circles

STEP 5: SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number, the special factory-cut curved Vector® panel kit number, and any extra cartons of the infill panels you may need.

Standard circle and rounded square clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector Trim.

EXAMPLE:

C4VES 0606C __ __

4" High Axiom Vector Trim
6' x 6' Cloud
Color Suffix*

Also order Curves Optima® Vector Panel Kit: 3970

Custom options available that include a wide range of Axiom trim and suspension system options.

* If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION

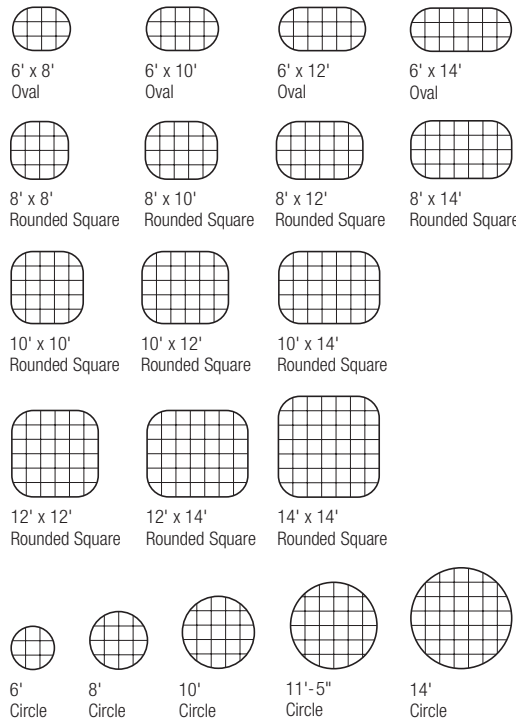
Cloud Size		Suspension Kit Item No. (Axiom Trim & Suspension System)
Curves		15/16" Prelude
6' Circle		C_VES0606C __ __
6' x 8' Oval		C_VES0608 __ __
6' x 10' Oval		C_VES0610 __ __
6' x 12' Oval		C_VES0612 __ __
6' x 14' Oval		C_VES0614 __ __
8' Circle		C_VES0808C __ __
8' x 8' Rounded Square		C_VES0808 __ __
8' x 10' Rounded Square		C_VES0810 __ __
8' x 12' Rounded Square		C_VES0812 __ __
8' x 14' Rounded Square		C_VES0814 __ __
10' Circle		C_VES1010C __ __
10' x 10' Rounded Square		C_VES1010 __ __
10' x 12' Rounded Square		C_VES1012 __ __
10' x 14' Rounded Square		C_VES1014 __ __
11'-5" Circle		C_VES1212C __ __
12' x 12' Rounded Square		C_VES1212 __ __
12' x 14' Rounded Square		C_VES1214 __ __
14' Circle		C_VES1414C __ __
14' x 14' Rounded Square		C_VES1414 __ __

PANEL SELECTION

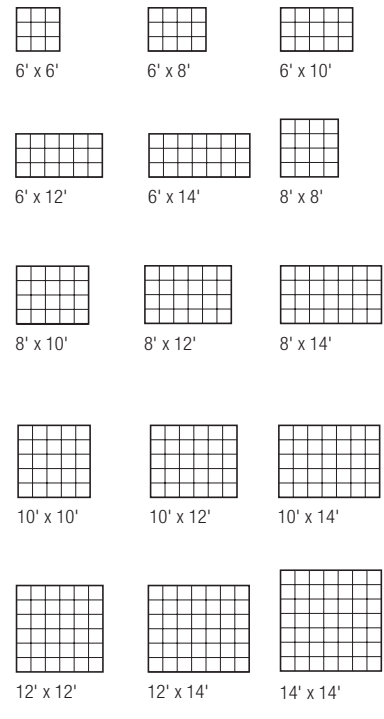
Optima Vector Factory-cut Curved Panels			Ultima® Vector Factory-cut Curved Panels		
Kit No.	Cartons Required	Required Extra Item 3900 2' x 2' (Ctns)	Kit No.	Cartons Required	Required Extra Item 1920 2' x 2' (Ctns)
3970	1	0	1970	1	0
3971	1	1	1971	1	1
3971	1	1	1971	1	1
3971	1	1	1971	1	1
3971	1	1	1971	1	1
3973	1	1	1973	1	1
3972	1	1	1972	1	1
3972	1	1	1972	1	1
3972	1	1	1972	1	1
3972	1	2	1972	1	2
3974	2	1	1974	2	1
3972	1	2	1972	1	2
3972	1	2	1972	1	2
3972	1	2	1972	1	2
3975	2	2	1975	2	2
3972	1	2	1972	1	2
3972	1	3	1972	1	3
3976	2	3	1976	2	3
3972	1	4	1972	1	4

CLOUD SHAPE AND SIZE SELECTION

Curves



Squares



FORMATIONS™ Acoustical and Accent Cloud Kits – Squares and Rectangles

STEP 6: SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item number you select.

Standard square and rectangle clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim, Axiom Knife Edge® Tegular or Vector Trim.

EXAMPLE:

C4VES 0606C _ _

4" High Axiom Vector Trim
6' x 6' Cloud
Color Suffix*

Also order Squares Optima® Vector Panel Kit: 3900 (2' x 2' panels – 1 carton).

Custom options available that include a wide range of Axiom trim and suspension system options.

* If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION		PANEL SELECTION				MORE PANEL OPTIONS	
Cloud Size	Axiom Profile	Suspension Kit Item No. (Axiom Trim & Suspension System)	Optima Vector Panels	Ultima® Vector Panels	Optima Tegular Panels		Ultima Tegular Panels
Squares/Rectangles		15/16" Prelude	Item 3900 (Ctns)	Item 1920 (Ctns)	Items 3250, 3354, 3253 (Ctns)	Item 1911 (Ctns)	Place these panel orders with Armstrong Customer Service - 1 877 276 7876
6' x 6'	Vector	C_VEA0606 _ _	1	1	1*	1*	Calla™
	Knife Edge Tegular	CKETA0606 _ _	–	–	1	1	Cirrus®
	Knife Edge Vector	CKEVA0606 _ _	1	1	–	–	Cortega®
6' x 8'	Vector	C_VEA0608 _ _	1	1	1*	1*	Dune™
	Knife Edge Tegular	CKETA0608 _ _	–	–	1	1	Fine Fissured™
	Knife Edge Vector	CKEVA0608 _ _	1	1	–	–	Ultima® Health Zone™ Create!™
6' x 10'	Vector	C_VEA0610 _ _	2	2	1*	2*	MetalWorks™ Tegular
	Knife Edge Tegular	CKETA0610 _ _	–	–	1	2	MetalWorks Vector
	Knife Edge Vector	CKEVA0610 _ _	2	2	–	–	MetalWorks Tin
6' x 12'	Vector	C_VEA0612 _ _	2	2	1*	2*	MetalWorks Mesh™
	Knife Edge Tegular	CKETA0612 _ _	–	–	1	2	Infusions®
	Knife Edge Vector	CKEVA0612 _ _	2	2	–	–	WoodWorks® Grille
6' x 14'	Vector	C_VEA0614 _ _	2	2	1*	2*	WoodWorks Open Cell
	Knife Edge Tegular	CKETA0614 _ _	–	–	1	2	
	Knife Edge Vector	CKEVA0614 _ _	2	2	–	–	
8' x 8'	Vector	C_VEA0808 _ _	2	2	1*	2*	
	Knife Edge Tegular	CKETA0808 _ _	–	–	1	2	
	Knife Edge Vector	CKEVA0808 _ _	2	2	–	–	
8' x 10'	Vector	C_VEA0810 _ _	2	2	1*	2*	
	Knife Edge Tegular	CKETA0810 _ _	–	–	1	2	
	Knife Edge Vector	CKEVA0810 _ _	2	2	–	–	
8' x 12'	Vector	C_VEA0812 _ _	2	2	1*	2*	
	Knife Edge Tegular	CKETA0812 _ _	–	–	1	2	
	Knife Edge Vector	CKEVA0812 _ _	2	2	–	–	
8' x 14'	Vector	C_VEA0814 _ _	2	2	1*	3*	
	Knife Edge Tegular	CKETA0814 _ _	–	–	1	3	
	Knife Edge Vector	CKEVA0814 _ _	2	2	–	–	
10' x 10'	Vector	C_VEA1010 _ _	2	3	2*	3*	
	Knife Edge Tegular	CKETA1010 _ _	–	–	2	3	
	Knife Edge Vector	CKEVA1010 _ _	2	3	–	–	
10' x 12'	Vector	C_VEA1012 _ _	3	3	2*	3*	
	Knife Edge Tegular	CKETA1012 _ _	–	–	2	3	
	Knife Edge Vector	CKEVA1012 _ _	3	3	–	–	
10' x 14'	Vector	C_VEA1014 _ _	3	3	2*	3*	
	Knife Edge Tegular	CKETA1014 _ _	–	–	2	3	
	Knife Edge Vector	CKEVA1014 _ _	3	3	–	–	
12' x 12'	Vector	C_VEA1212 _ _	3	3	2*	3*	
	Knife Edge Tegular	CKETA1212 _ _	–	–	2	3	
	Knife Edge Vector	CKEVA1212 _ _	3	3	–	–	
12' x 14'	Vector	C_VEA1214 _ _	4	4	2*	4*	
	Knife Edge Tegular	CKETA1214 _ _	–	–	2	4	
	Knife Edge Vector	CKEVA1214 _ _	4	4	–	–	
14' x 14'	Vector	C_VEA1414 _ _	5	5	3*	5*	
	Knife Edge Tegular	CKETA1414 _ _	–	–	3	5	
	Knife Edge Vector	CKEVA1414 _ _	5	5	–	–	

* These items use Axiom for Formations Vector Trim (inverted).



CLOUDS & CANOPIES

FORMATIONS™ Acoustical and Accent Cloud Kits – Staggered

STEP 7: SPECIFY KITS, COLORS, AND PANEL SELECTIONS





































HOW TO SPECIFY	VISUAL SELECTION		PANEL SELECTION		
	Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)	Optima Vector Panels		
<p>Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item numbers you select.</p> <p>Standard staggered clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim.</p> <p>EXAMPLE: 0606 V2A 1222V _ _</p> <p>6' x 6' 2" High 1' x 2' / Color Cloud Axiom 2' x 2' Suffix* Vector Optima Trim Vector Panels</p> <p>Also order Staggered Optima® Vector Panel Kits: 3903 (1' x 2' panels – 1 carton) and 3900 (2' x 2' panels – 1 carton).</p> <p>* If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.</p>	Staggered	15/16" Prelude	1' x 2' / 2' x 2' Item 3903 / 3900 (Ctns)	2' x 2' / 2' x 4' Item 3900 / 3908 (Ctns)	2' x 4' / 2' x 8' Item 3908 / 3907 (Ctns)
	6' x 6'	0606V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	6' x 8'	0608V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	6' x 10'	0610V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	6' x 12'	0612V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	6' x 14'	0614V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	6' x 16'	0616V _ A _ _ _ V _ _	2 / 2	1 / 1	–
	8' x 6'	0806V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	8' x 8'	0808V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	8' x 10'	0810V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	8' x 12'	0812V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	8' x 14'	0814V _ A _ _ _ V _ _	2 / 2	2 / 1	–
	8' x 16'	0816V _ A _ _ _ V _ _	2 / 2	2 / 1	–
	10' x 6'	1006V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	10' x 8'	1008V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	10' x 10'	1010V _ A _ _ _ V _ _	2 / 2	2 / 1	–
	10' x 12'	1012V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	10' x 14'	1014V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	10' x 16'	1016V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	12' x 6'	1206V _ A _ _ _ V _ _	1 / 1	1 / 1	–
	12' x 8'	1208V _ A _ _ _ V _ _	2 / 2	1 / 1	–
	12' x 10'	1210V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	12' x 12'	1212V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	12' x 14'	1214V _ A _ _ _ V _ _	2 / 2	2 / 2	–
	12' x 16'	1216V _ A _ _ _ V _ _	3 / 3	2 / 2	–
	16' x 6'	1606V _ A _ _ _ V _ _	2 / 2	2 / 2	1 / 1
	16' x 8'	1608V _ A _ _ _ V _ _	2 / 2	2 / 2	2 / 2
	16' x 10'	1610V _ A _ _ _ V _ _	2 / 2	3 / 2	2 / 2
	16' x 12'	1612V _ A _ _ _ V _ _	3 / 3	3 / 2	2 / 2
	16' x 14'	1614V _ A _ _ _ V _ _	3 / 3	3 / 2	2 / 2
	16' x 16'	1616V _ A _ _ _ V _ _	3 / 3	1 / 1	2 / 2

CLOUDS & CANOPIES





































FORMATIONS™ Acoustical and Accent Cloud Kits – Staggered

STAGGERED CLOUD SHAPE AND SIZE SELECTION







1' X 2' / 2' X 2' PANELS

 6' x 6'	 6' x 8'	 6' x 10'	 6' x 12'	 6' x 14'	 6' x 16'
 8' x 6'	 8' x 8'	 8' x 10'	 8' x 12'	 8' x 14'	 8' x 16'
 10' x 6'	 10' x 8'	 10' x 10'	 10' x 12'	 10' x 14'	 10' x 16'
 12' x 6'	 12' x 8'	 12' x 10'	 12' x 12'	 12' x 14'	 12' x 16'
 14' x 6'	 14' x 8'	 14' x 10'	 14' x 12'	 14' x 14'	 14' x 16'
 16' x 6'	 16' x 8'	 16' x 10'	 16' x 12'	 16' x 14'	 16' x 16'

2' X 2' / 2' X 4' PANELS

 6' x 6'	 6' x 8'	 6' x 10'	 6' x 12'	 6' x 14'	 6' x 16'
 8' x 6'	 8' x 8'	 8' x 10'	 8' x 12'	 8' x 14'	 8' x 16'
 10' x 6'	 10' x 8'	 10' x 10'	 10' x 12'	 10' x 14'	 10' x 16'
 12' x 6'	 12' x 8'	 12' x 10'	 12' x 12'	 12' x 14'	 12' x 16'
 14' x 6'	 14' x 8'	 14' x 10'	 14' x 12'	 14' x 14'	 14' x 16'
 16' x 6'	 16' x 8'	 16' x 10'	 16' x 12'	 16' x 14'	 16' x 16'

2' X 4' / 2' X 8' PANELS

 6' x 16'
 8' x 16'
 10' x 16'
 12' x 16'
 14' x 16'
 16' x 16'



FORMATIONS™ Acoustical and Accent Cloud Kits – Planks

STEP 8: SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item number you select.

Standard plank clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim.

EXAMPLE:

1210 V4P 26V _ _

12' x 10' 4" High 2' x 6' Color
Cloud Axiom Optima Suffix*
Vector Vector
Trim Panels

Also order Plank Optima® Vector Panel Kit: 3906 (2' x 6' – 1 carton).

* If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION

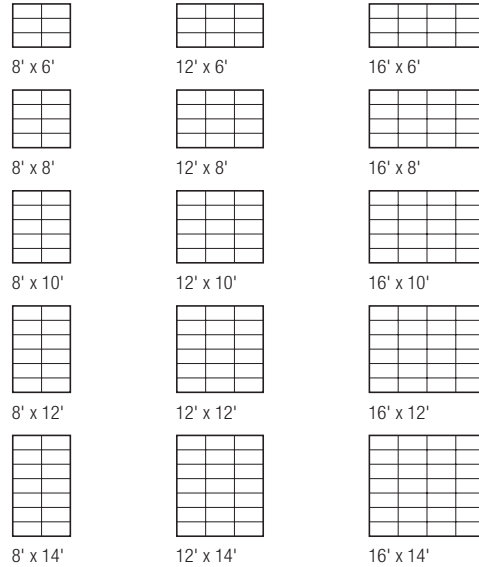
Cloud Size	Suspension Kit Item No. (Axiom Vector Trim & Suspension System)
Planks	15/16" Prelude
8' x 6'	0806V _ P24V _ _
8' x 8'	0808V _ P24V _ _
8' x 10'	0810V _ P24V _ _
8' x 12'	0812V _ P24V _ _
8' x 14'	0814V _ P24V _ _
8' x 16'	0816V _ P24V _ _
12' x 6'	1206V _ P _ _ V _ _
12' x 8'	1208V _ P _ _ V _ _
12' x 10'	1210V _ P _ _ V _ _
12' x 12'	1212V _ P _ _ V _ _
12' x 14'	1214V _ P _ _ V _ _
12' x 16'	1216V _ P _ _ V _ _
16' x 6'	1606V _ P _ _ V _ _
16' x 8'	1608V _ P _ _ V _ _
16' x 10'	1610V _ P _ _ V _ _
16' x 12'	1612V _ P _ _ V _ _
16' x 14'	1614V _ P _ _ V _ _
16' x 16'	1616V _ P _ _ V _ _

PANEL SELECTION

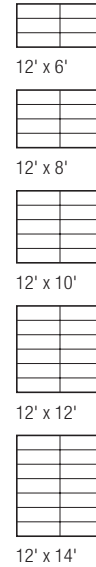
Optima Vector Panels	2' x 4'	2' x 6'	2' x 8'
	Item 3908 (Ctns)	Item 3906 (Ctns)	Item 3907 (Ctns)
	1	–	–
	1	–	–
	1	–	–
	2	–	–
	2	–	–
	2	–	–
	1	2	1
	2	2	2
	2	2	2
	2	3	2
	2	3	2
	3	3	3
	2	–	2
	2	–	2
	2	–	2
	3	–	3
	3	–	3
	3	–	3

PLANKS CLOUD SHAPE AND SIZE SELECTION

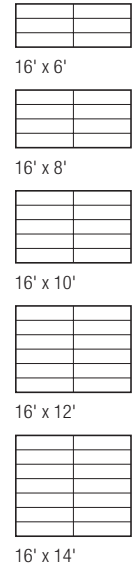
2' x 4' Panels



2' x 6' Panels



2' x 8' Panels



FORMATIONS™ for Drywall



Formations Drywall Clouds – 10' x 14' with 6" Axiom One-piece Perimeter Trim

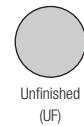
KEY SELECTION ATTRIBUTES

- Pre-engineered drywall cloud kit featuring Armstrong Drywall Grid suspension system and Axiom® extruded aluminum one-piece perimeter trim*
- Pre-cut suspension system components, perimeter trim, and easy to adjust aircraft hanging cables make assembly and installation fast and easy
- Improved floating visual compared to black iron and hat channel built drywall clouds

TYPICAL APPLICATIONS

- Auditoriums
- Performance venues
- Open plenum spaces

COLOR



* Perimeter trim integrates with 5/8" thick drywall only – drywall not included in kit.

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number. Formations Drywall cloud kits are only compatible with 5/8" thick drywall.

Standard drywall cloud kits feature your choice of 2", 4", or 6" high Unfinished Axiom Drywall Trim for easy on-site painting.

EXAMPLE:

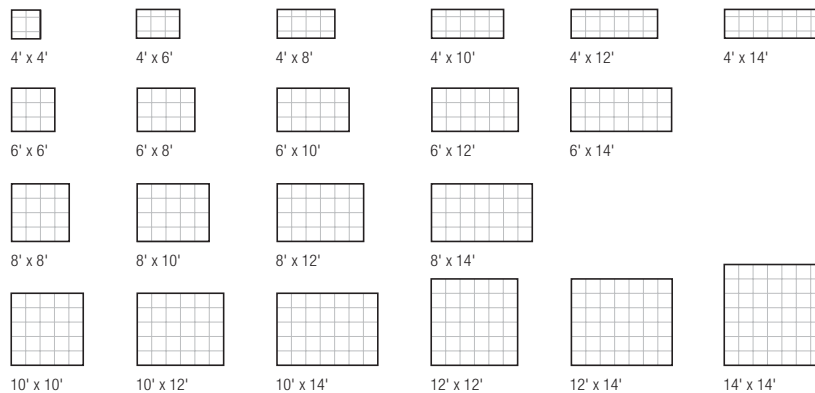
0404D A1P6UF

4' x 4' Drywall Cloud
 6" High Axiom One-piece Drywall Trim Unfinished

VISUAL SELECTION

Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)	Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)
Drywall	1-1/2" Drywall Grid	Drywall	1-1/2" Drywall Grid
4' x 4'	0404DA1P_UF	8' x 8'	0808DA1P_UF
4' x 6'	0406DA1P_UF	8' x 10'	0810DA1P_UF
4' x 8'	0408DA1P_UF	8' x 12'	0812DA1P_UF
4' x 10'	0410DA1P_UF	8' x 14'	0814DA1P_UF
4' x 12'	0412DA1P_UF	10' x 10'	1010DA1P_UF
4' x 14'	0414DA1P_UF	10' x 12'	1012DA1P_UF
6' x 6'	0606DA1P_UF	10' x 14'	1014DA1P_UF
6' x 8'	0608DA1P_UF	12' x 12'	1212DA1P_UF
6' x 10'	0610DA1P_UF	12' x 14'	1214DA1P_UF
6' x 12'	0612DA1P_UF	14' x 14'	1414DA1P_UF
6' x 14'	0614DA1P_UF		

DRYWALL CLOUD SHAPE AND SIZE SELECTION



FORMATIONS™ with DC FLEXZONE™

Acoustical Clouds



Formations Squares and Rectangles with Ultima® Tegular Panels and Axiom for Formations 4" and 6" Trim

KEY SELECTION ATTRIBUTES

- Pre-engineered acoustical cloud systems featuring DC FlexZone suspension system, Axiom® extruded aluminum trim, and compatible DC lighting and control system
- Ideal for open plenum spaces or acoustically challenged space. Clouds reduce acoustical reverberation time and noise levels while increasing speech intelligibility.
- Formations cloud kits include aircraft cables and StrongBack™ suspension system for reduced suspension visibility and improved floating visual

TYPICAL APPLICATIONS

- Sustainable buildings of all types
- Offices
- Retail
- Lobbies
- Open plenum spaces

COLOR



HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number, the panel item number you select, and any lighting or control options you choose to include.

Standard DC FlexZone clouds feature DC FlexZone 9/16" Suprafine® or Silhouette® 1/4" Reveal suspension system and your choice of 4" or 6" high Axiom Vector® Trim.

EXAMPLE:

DC1014 **TSL** **AV4**
 10' x 14' Cloud Silhouette 1/4" Reveal 4" High Axiom Vector Trim

Also order Ultima® Panel Kit: 1912 (2' x 2' – 3 cartons).

Order compatible lighting, power supply, cables, and controls through DC FlexZone partner sites.

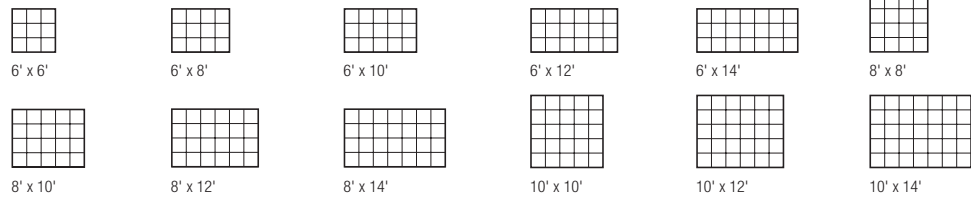
VISUAL SELECTION

Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)	
	DC FlexZone	9/16" Silhouette 1/4" Reveal
6' x 6'	DC0606TSLAV _	DC0606TSFAV _
6' x 8'	DC0608TSLAV _	DC0608TSFAV _
6' x 10'	DC0610TSLAV _	DC0610TSFAV _
6' x 12'	DC0612TSLAV _	DC0612TSFAV _
6' x 14'	DC0614TSLAV _	DC0614TSFAV _
8' x 8'	DC0808TSLAV _	DC0808TSFAV _
8' x 10'	DC0810TSLAV _	DC0810TSFAV _
8' x 12'	DC0812TSLAV _	DC0812TSFAV _
8' x 14'	DC0814TSLAV _	DC0814TSFAV _
10' x 10'	DC1010TSLAV _	DC1010TSFAV _
10' x 12'	DC1012TSLAV _	DC1012TSFAV _
10' x 14'	DC1014TSLAV _	DC1014TSFAV _

PANEL SELECTION

Optima® Tegular Panels	Ultima Tegular Panels
Item 3251 (Ctns)	Item 1912 (Ctns)
1	1
1	1
1	2
1	2
1	2
1	2
1	2
1	2
2	3
1	3
2	3
2	3

DC FLEXZONE CLOUD SHAPE AND SIZE SELECTION



CLOUDS & CANOPIES

FORMATIONS™ with DC FLEXZONE™

Acoustical Clouds

DC FLEXZONE™ COMPATIBLE POWER SUPPLY, CABLES, LIGHTING, AND CONTROLS

Cloud Size	Power Supply ¹	Power Cables ²	Lights ³	Controls
DC FlexZone	(Qty)	(Qty)		
6' x 6'	1	2	1	Design by Others
6' x 8'	1	2	1	Design by Others
6' x 10'	1	2	2	Design by Others
6' x 12'	1	2	2	Design by Others
6' x 14'	1	2	2	Design by Others
8' x 8'	1	2	2	Design by Others
8' x 10'	1	2	2	Design by Others
8' x 12'	1	2	2	Design by Others
8' x 14'	1	3	3	Design by Others
10' x 10'	1	2	2	Design by Others
10' x 12'	1	4	4	Design by Others
10' x 14'	1	4	4	Design by Others



- 1 Recommend specifying a Roal Electronics 4 channel Safe Energy Server.
 - 2 Recommend specifying TE Connectivity 10' power feed cable assemblies.
 - 3 Recommend specifying this quantity of lighting fixtures, each with a 5' TE load device cable assembly.
- * All electrical devices shall be ordered from the electrical manufacturer and through normal electrical distribution channels.
- All electrical items and quantities are strictly recommendations. All electrical devices shall be Armstrong DC FlexZone compatible. Armstrong does not warrant, and assumes no liability for the accuracy,

completeness, or performance of another manufacturer's product. The Specifier is advised to consult with a duly licensed engineering or lighting designer in the particular locale of the installation to assume compliance with all legal requirements for the electrical design and layout.

For sample DC FlexZone for Formations™ layouts with compatible lighting and controls, visit www.armstrong.com/dcflexzone

DC FLEXZONE COMPATIBLE PARTNERS

Products from each of the categories below need to be specified and ordered separately for a complete DC FlexZone Formations Cloud. Armstrong provides the DC FlexZone suspension system and ceiling panels.

The other product categories are provided by our DC FlexZone compatible partners through their normal electrical channels. For more information on DC FlexZone compatible partners' products, visit www.armstrong.com/dcflexzone.

DC FlexZone Compatible Lighting Partners



Lithonia Lighting®
AC Series LED – 2' x 2', 2' x 4'
T Series LED – 2' x 2', 2' x 4'
RT Series LED – 2' x 2', 2' x 4'
VT Series LED – 2' x 2', 2' x 4'
AL Series LED – 2' x 2', 2' x 4'
Shadow Box Square Series LED
– 2' x 2', 2' x 4'
DoM™ Downlight

Gotham®
EVO® Downlight

Peerless®
Mino Luminaire



Recessed Fluorescent
Metalux® Accord™ – 2' x 2', 2' x 4'
Metalux Ovation™ – 2' x 2', 2' x 4'
Neo-Ray™ Fenestra – 272 / 274
Neo-Ray Luminous HE 282/284



Recessed Fluorescent
Aerion™ – 2' x 2', 2' x 4'
Equation™ – 2' x 2', 2' x 4'
Luna® – 2' x 2', 2' x 4'



Pendant Fluorescent
Verve™ IV – Pendant

LED
T-BAR LED Smartlight™ – 2' and 4'



Recessed LED
RLC22 - 2' x 2'
RLS22 - 2' x 2'



Recessed Fluorescent
SoftTrace - 2' x 2'
Attune - 2' x 4'



Fluorescent Downlight
Calculite® 6" Downlight

DC FlexZone Compatible Power Partners



4 Channel Safe Energy Server



16 Channel Power Supply Module

DC FlexZone Compatible Cable Partners



5, 10, 15, 20, 25, 30
Foot Power Feed Cables

DC FlexZone Compatible Control Partners



INFUSIONS®

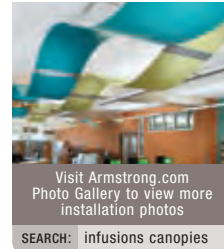
Accent Canopies



Infusions Accent Canopies 24" x 72" panels in Indigo Surf with side-to-side linking kits

KEY SELECTION ATTRIBUTES

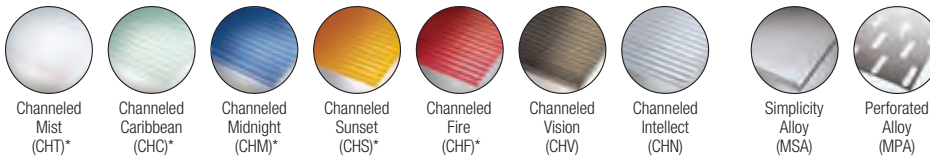
- Use to define spaces, accentuate an area, provide focus, create ceiling artwork
- Mix and match sizes, shapes, textures, finishes
- Standard components allow you to create custom configurations
- Suspend individually or in groups
- Lighting can enhance the impact of canopies
- Strong, impact-resistant edges
- Installation is fast and simple – no special tools required
- For Infusions panels and sheets, see pages 139-142.
For Infusions Canopies, see pages 37-38.
For Infusions Wings, see page 40.
For Infusions Walls, see pages 323-324.
For more information, visit armstrong.com/infusions.



24" X 60", 24" X 72" COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

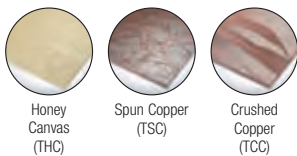
Channeled



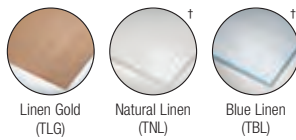
Alloy

For information about custom options, contact the Armstrong Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

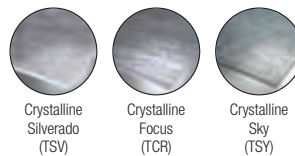
Goldtones



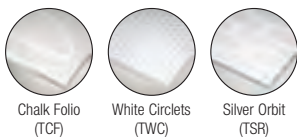
Linen



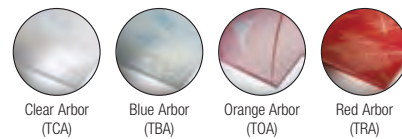
Crystallines



Tones-on-tones



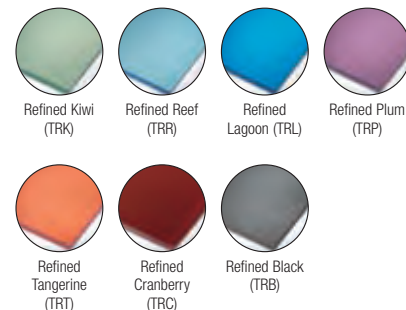
Arbors



Solids



SoundScapes® Coordinating Colors



* Also available in 48" x 120" † Color may vary panel to panel

INFUSIONS®

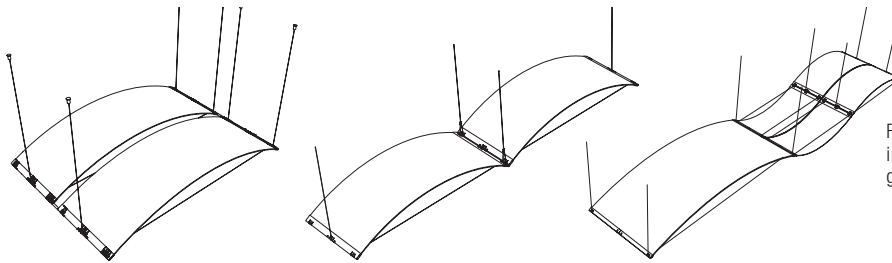
Accent Canopies

PANEL SELECTION

Item Number*	Dimensions (Inches)*	Colors	Pcs./Ctn.	Kit Contents
INFUSIONS Accent Canopies – 48" x 120" Panel Kits				
54101_ _ _	48 x 120 x 5/8"	See page 37 for color options	1	– Flat Infusions panel (1 or 2) with nominal 48" Aluminum Extrusions (2 per panel) attached – Cables to form arcs (30° or 50°)
54102_ _ _	48 x 120 x 5/8"	See page 37 for color options	2	
INFUSIONS Accent Canopies – 24" x 60" and 24" x 72" Panel Kits				
54051_ _ _	24 x 60 x 1/4"	See page 37 for color options	1	– Flat Infusions panel (1 or 2) with nominal 24" Aluminum Extrusions (2 per panel) attached – Cables to form arcs (60° or 90°)
54052_ _ _	24 x 60 x 1/4"	See page 37 for color options	2	
54061_ _ _	24 x 72 x 1/4"	See page 37 for color options	1	
54062_ _ _	24 x 72 x 1/4"	See page 37 for color options	2	

* When specifying or ordering, include the appropriate 3-letter suffix (e.g. 54051 C H D)
NOTE: Infusions Alloy canopies' thickness (1/8")

WAYS YOU CAN SUSPEND AND LINK INFUSIONS ACCENT CANOPIES



For hanging kits, wall/ceiling kits, linking kits, and installation details, see data page and technical guide online at armstrong.com/infusions.

PHYSICAL DATA

Material
• Polycarbonate • Aluminum

Surface Finish – Smooth

Fire Performance

Infusions Accent Canopies have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined in Chapter 8 of the International Building Code. For proper fire performance, do not install polycarbonate panels so that any portion of the panel is suspended directly above any portion of an aluminum panel.

Aluminum panels are non-combustible.

Infusions Accent Canopies, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at (877) 276-7876 for specific US and Canadian fire performance data.

Design Considerations

Infusions panels should always be installed in accordance with all applicable building codes and regulations.

Do not cut holes in or drill through Infusions Accent Canopies. Doing so may cause the panel to bend in an irregular fashion.

The lowest point of a suspended Infusions panel should be at least 7'-6" above the finished floor surface.

Infusions panels are not approved for exterior application.

Plastic panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100° F after the tensioning cables have been installed. Follow these guidelines for minimum distance from standard light sources:

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Installation Considerations

The International Building Code requires the attachment of free floating architectural components to be designed for three times the design load.

Use the assembled canopy weights provided in this table to select mounting hardware that will meet this requirement:

MATERIAL	24" x 60"	24" x 72"	48" x 120"
Solid Polycarbonate	21 lbs	25 lbs	N/A
Channeled Polycarbonate	6 lbs	7 lbs	26 lbs
Aluminum	21 lbs	25 lbs	N/A

Always install in accordance with installation instructions. Do not allow panel edges to get wet.

Seismic Restraint

Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage: The functional and physical interrelationship of components, their supports, and their effect on each other shall be considered so that the failure of an essential or non-essential architectural, mechanical, or electrical component shall not cause the failure of an essential architectural, mechanical, or electrical component. Item #3: The connection to the structure shall allow for a 360° range of motion in the horizontal plane.

Suspension System

Canopy-specific hardware must be ordered based on your design plan. For details and some design guidelines, contact TechLine or visit armstrong.com/infusions.

Warranty

See warranty details in the back of this catalog.

Weight; Pieces/Carton

PANEL MATERIAL	24" x 60" 2 pcs/ctn	24" x 60" 1 pc/ctn	24" x 72" 2 pcs/ctn	24" x 72" 1 pc/ctn	48" x 120" 2 pcs/ctn	48" x 120" 1 pc/ctn
Solid Polycarbonate	42 lbs	21 lbs	50 lbs	25 lbs	N/A	N/A
Channeled Polycarbonate	12 lbs	6 lbs	14 lbs	7 lbs	52 lbs	26 lbs
Aluminum	42 lbs	21 lbs	50 lbs	25 lbs	N/A	N/A

ACCESSORY KITS

7004 – 0.3 lbs	7008 – 0.4 lbs
7005 – 0.5 lbs	7009 – 0.2 lbs
7006 – 0.1 lbs	7010 – 0.7 lbs
7007 – 0.2 lbs	

All other accessory kits weigh less than 1 lb each.



METALWORKS™

Accent & Acoustical Canopies

25% RECYCLED CONTENT

LEED®

- acoustics ✓
- energy ✓
- daylight & views ✓
- indoor air quality ✓
- renewable materials ✓
- recycled content ✓
- waste mgmt ✓
- local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



MetalWorks Canopies in White



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks canopies



KEY SELECTION ATTRIBUTES

- Define and accentuate spaces
- Great aesthetic from above and below
- Easy installation
- Adjustable to special heights and angles
- Perforation options available for better acoustics
- Three panel types – flat, hill, valley
- Durable – easy to clean and maintain
- Custom RAL colors available

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Item Number*	Shape	Dimensions (Inches)	Light Reflect		Durable		
			(White Only)	Wash	Scrub	Impact	Soil
METALWORKS Canopies							
5376_---	Hill	 74-1/2 x 46-1/2 x 1-1/2"	0.90	•	•	•	•
5377_---	Valley	 74-1/2 x 46-1/2 x 1-1/2"	0.90	•	•	•	•

ACCESSORIES

Item Number	Description
7006	Escutcheon Kit – Used when hanging canopy below an existing ceiling. 2 kits needed per MetalWorks canopy.
Carton contains: Pre-curved or flat MetalWorks Canopy, suspension hardware, and 6'-6" cables (4 cables per panel)	

* When specifying or ordering, include the appropriate 2-digit perforation code and 2-digit color suffix (Ex: 5375 M 3 W H) with the item number. Standard items are 5376M3WH, 5376M10WH, 5377M3WH, and 5377M10WH. All other items are subject to extended lead times. Flat canopies are available as custom. For details, contact the Architectural Specialties team at 1 877 Armstrong and select options 1-1-4.

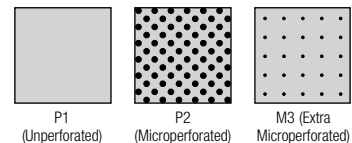
COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



PERFORATION OPTIONS

(Actual 1:2 scale shown)



PHYSICAL DATA

Material
Aluminum composite

Panel Arc
Hill or Valley – 9'

Surface Finish and Edge Detail
Factory-applied post-production powder-coated finish; Light reflectance 0.75 – White unperforated only; Flat – all edge details: 45° angle; Curved (hill/valley) – edge detail width: 45° angle, edge detail length: 90° angle

Fire Performance
Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

 MetalWorks Canopies, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler

water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Acoustical Performance
M10 – 37 Sabin per canopy with included acoustical fiberglass infill; or 1.25 Sabin/SF
M3 Extra Microperforated – 36 Sabin per canopy with included acoustical fiberglass infill; or 1.15 Sabin/SF

Design Considerations
MetalWorks Canopies are not approved for exterior application. The MetalWorks Canopies cable hanging system must not hang from any commercial ceiling

suspension system. The canopy must not be used to support any other material. Please note that the White finish on this product may vary slightly from Armstrong Global White.

Installation Consideration
MetalWorks Canopies require two people to handle and install a panel safely. See installation instructions on web site for details.

Seismic Restraint
Refer to ASCE 7-10 for Seismic Requirements

Suspension System
Hardware and cables are included in each kit.

Warranty
Warranty details at armstrong.com/warranty

Weight
Flat: 58 lbs; Hill or Valley 62.4 lbs; one canopy per carton

INFUSIONS® & METALWORKS™ Wings

Accent & Acoustical Clouds

UP TO **50%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Infusions Full Wings Ceiling in Refined Tangerine with Silver Grey spine

KEY SELECTION ATTRIBUTES

- Define and accentuate spaces with unique 3-D visual
- Easy to install – suspend from ceiling or mount on wall
- Panels are adjustable to special heights and angles off of center spine
- Available in six translucent colors that coordinate with Infusions, SoundScapes® and Create!™ ceilings and walls
- Lightweight Aluminum Panels:
 - Perforation option available for better acoustics
 - Durable – easy to clean and maintain
 - Custom RAL colors available for panels and center spine



Infusions Half Wing ceiling

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Item Number*	Description	Dimensions (Inches)	Light Reflect (White only)	Durable		
				Wash	Scrub	Soil
METALWORKS Wings						
5927P1__	Unperforated Panel (for full wing suspension kit)	24 x 45"	0.77	•	•	•
5927P2__	Microperforated Panel with Acoustical Fleece (for full wing suspension kit)	24 x 45"	0.61	•	•	•
5917P1__	Unperforated Panel (for half wing wall mount kit)	24 x 45"	0.77	•	•	•
5917P2__	Microperforated Panel with Acoustical Fleece (for half wing wall mount kit)	24 x 45"	0.61	•	•	•
INFUSIONS Wings						
6610__	Translucent Panel (for full wing suspension kit)	24 x 48"	N/A	•	•	•
6611__	Translucent Panel (for half wing wall mount kit)	24 x 48"	N/A	•	•	•
5846**	Infusions Wings Translucent Edge Trim – Full Wing (precut to size)	120"	N/A	•	•	•
5847**	Infusions Wings Translucent Edge Trim – Half Wing (precut to size)	48"	N/A	•	•	•

* When specifying or ordering, include the appropriate color suffix (two or three letters) with the item number (e.g. 5927P1 W H).

** Order one carton of trim per Wing.

ACCESSORIES

Item Number*	Description	Dimensions (Inches)
5944__	Suspension Kit†	8 x 120 x 2"
5945	Cradle Crate†	N/A
5908__	Wall Mount Kit	4 x 120 x 2"

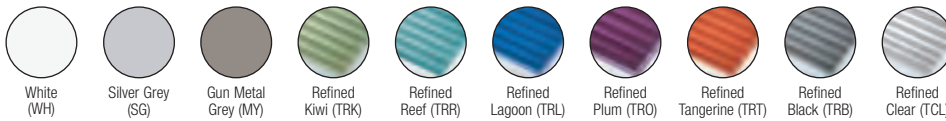
† Suspension kit will be shipped with the order in a cradle crate (Item 5945) for protection purposes. Each cradle crate is capable of holding 1-6 suspension kits. Be sure to specify when ordering.

STANDARD COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

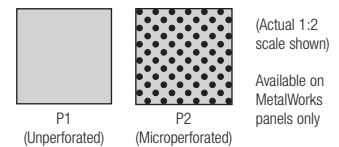
METALWORKS & SPINES

Custom RAL colors available



INFUSIONS

PERFORATION OPTIONS



PHYSICAL DATA

Material

Aluminum (MetalWorks panels and suspension spine)
Polycarbonate (Infusions panels)

Panel Size and Angles

Nominal 24" x 45" for panels; nominal 96" x 120" for total installed suspension kit; nominal 48" x 120" for total installed wall mount kit. Angles: 3° and 10° options included in kit

Surface Finish

MetalWorks – Factory-applied powder-coated finish (post-coated). Contact Armstrong Architectural Specialties for custom color matching requests.

Fire Performance

MetalWorks – ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index 50 or less.

Wings, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper

installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification

Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Acoustical Performance

MetalWorks – 1.05 Sabin/SF. See armstrong.com/wings for more information.

Design Considerations

Splay wires included with kit installed on finished product should be considered for symmetry and span dependent on Wings install height when installing lighting options.

Installation Consideration

Wings assembly requires two people to handle and install safely. Install Wings clouds a minimum of 18" apart. See installation instructions on web site for details.

Infusions panel seams must be positioned in the same direction on both sides of the spine. Panels are butted together and seams are visible from below.

Infusions wings panels have a batch code printed on them. Panels should be installed with the code facing up so it is not visible from below.

Seismic Restraint

Refer to ASCE 7-10 for Seismic Requirements

Suspension System

Hardware system and cables included in panel kits.

Warranty

Warranty details at armstrong.com/warranty

Weight

Suspension kit – 67 lbs. for hardware; 1 and 6 pcs./ctn.
40 lbs. per carton (MetalWorks) – 10 pcs.
42 lbs. per carton (Infusions) – 10 pcs.
Wall mount kit: 14 lbs. for hardware;
20 lbs. per carton (MetalWorks) – 5 pcs.
22 lbs. per carton (Infusions) – 5 pcs.



SERPENTINA® Classic

Curved Clouds



Serpentina Semi-concealed 24" x 72" with custom perforations in Silver Satin

KEY SELECTION ATTRIBUTES

- More main beam options for maximum design flexibility; available in both "Hills" and "Valleys" with 15/16" or 9/16" suspension system
- XL^{®2} butt-cut cross tee end detail for a faster installation
- Armstrong standard colors plus four metallic paints; custom RAL colors available
- Extruded aluminum/hot dipped galvanized steel performance provides maximum corrosion resistance
- 30-Year Limited System Warranty

TYPICAL APPLICATIONS

- Corridors and lobbies
- Conference rooms
- Reception areas
- Public access areas
- Airports, bus terminals, and train stations

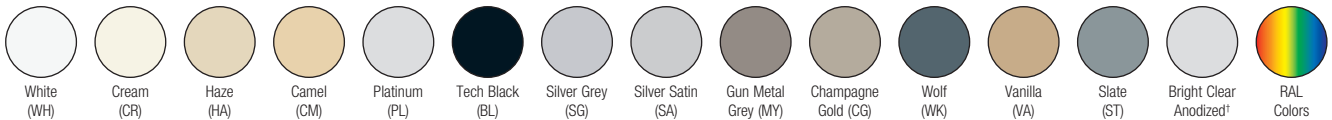
Contact Serpentina customer service for help with custom colors, perforations or sizes. Call 1 800 840 8521



Visit Armstrong.com Photo Gallery to view more installation photos


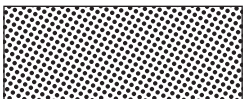
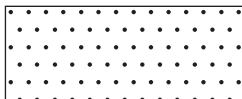


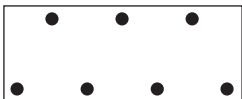
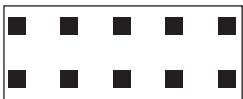




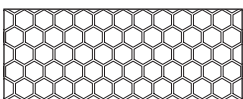
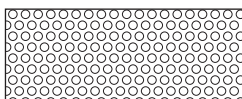
SEARCH: serpentina

COLOR SELECTION Due to printing limitations, shade may vary from actual product.



†Diamond Louver and Diamond Sheer panels are available in Bright Clear Anodized only.
NOTE: Custom colors available as special order.

PERFORATION OPTIONS

 UPA Unperforated	 R042 Perfs: 3/64" Dia. @ 1/8" O.C. Open area: 11% No border	 R062 Perfs: 1/16" Dia. @ 1/4" O.C. Open area: 6% No border	 **R250 Perfs: 1/4" Dia. @ 0.32" O.C. Open area: 58% Nominal 3/4" border	 ***R375 Perfs: 3/8" Dia. @ 1-1/8" O.C. Open area: 9% Nominal 3/4" border
 ***R188 Perfs: 3/16" Dia. @ 1" O.C. Open area: 4% Nominal 3/4" border	 S250 Perfs: 1/4" x 1/4" @ 3/4" O.C. Open area: 11% Nominal 3/4" border	 ***S375 Perfs: 3/8" x 3/8" @ 1-1/8" O.C. Open area: 11% Nominal 3/4" border	 **S500 Perfs: 1/2" x 1/2" @ 5/8" O.C. Open area: 64% Nominal 3/4" border	 1/2"***Diamond Louver Open area: 22% No border
 1/2"***Diamond Sheer Open area: 52% No border	 ****H250 Perfs: 1/4" width @ .281 Staggered Open area: 79% No border	 **R125 Perfs: 1/8" Dia. @ 3/16" O.C. Open area: 41% Nominal 3/4" border	* Available in Bright Clear Anodized only. Available as standard 2' x 2' lay-in panels. ** Laminated acoustical fleece is not available on Perforated Panels R125, S500, R250, Diamond Sheer, and Diamond Louver due to open cell percentage. *** Tech Black, Fine Fissured™ panels laminated to the back of Serpentina perforated metal panels provide a matching visual for flat areas adjacent to or within a Serpentina ceiling. Available for R188, R375, and S375. **** H250 Perforation meets NFPA guidelines for sprinkler systems.	

SERPENTINA® Classic

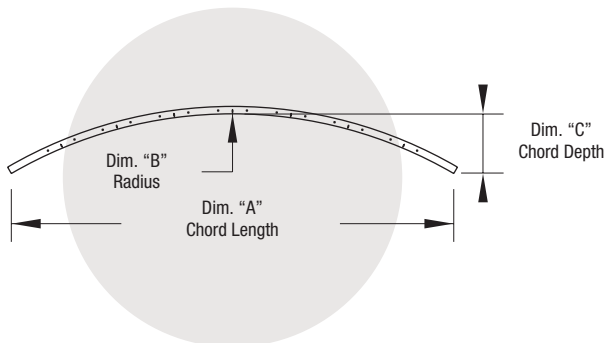
Curved Clouds

SERPENTINA SUSPENSION SYSTEM

Serpentina Main Beams and Curved Perimeter Trim

Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
10075	7.5	9' 11-15/16"	76' 4-3/4"	0' 2-3/4"
1015	15	9' 11-13/16"	38' 2-3/8"	0' 3-15/16"
10225	22.5	9' 11-1/4"	25' 5-9/16"	0' 5-7/8"
1030	30	9' 10-5/8"	19' 1-3/16"	0' 7-3/16"
10375	37.5	9' 9-7/8"	15' 3-5/16"	0' 9-3/4"
1045	45	9' 7-11/16"	12' 8-13/16"	0 11-3/8"
10525	52.5	9' 7-7/8"	10' 10-15/16"	1' 1-1/2"
1060	60	9' 6-9/16"	9' 6-9/16"	1' 3-5/8"
1075	75	9' 3-5/8"	7' 7-11/16"	1' 7-7/16"
1090	90	9' 0"	6' 4-3/8"	1' 10-11/16"
8075	7.5	7' 11-15/16"	61' 1-3/8"	0' 1-9/16"
815	15	7' 11-3/4"	30' 6-11/16"	0' 3-18"
8225	22.5	7' 11-3/8"	20' 2-7/8"	0' 4-3/4"
830	30	7' 10-7/8"	15' 3-3/8"	0' 6-1/4"
8375	37.5	7' 10-5/16"	12' 2-11/16"	0' 7-3/4"
845	45	7' 9-3/8"	10' 2-1/4"	0' 9-7/16"
8525	52.5	7' 8-11/16"	8' 8-3/4"	0' 10-13/16"
860	60	7' 7-5/16"	7' 7-11/16"	1' 0-7/16"
875	75	7' 5-5/16"	6' 1-5/16"	1' 3-3/16"
890	90	7' 2-7/16"	5' 1-1/8"	1' 6-1/8"
6075	7.5	5' 11-15/16"	45' 5-1/16"	0' 1-3/16"
615	15*	5' 11-13/16"	22' 11"	0' 2-3/8"

All dimensions are nominal
* Available with Quick Ship program

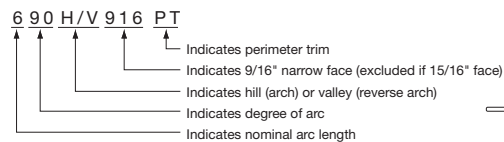


Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
6225	22.5	5' 11-9/16"	15' 3-3/8"	0' 3-9/16"
630	30	5' 10-5/8"	11' 5-1/2"	0' 4-9/16"
6375	37.5	5' 10-3/4"	9' 2"	0' 5-13/16"
645	45	5' 10-1/8"	7' 7-11/16"	0' 7-1/16"
6525	52.5	5' 9-1/2"	6' 6-9/16"	0' 8-1/8"
660	60	5' 4-1/2"	5' 8-3/4"	0' 9-5/16"
675	75	5' 7"	4' 7"	0' 11-3/8"
690	90	5' 4-1/2"	3' 9-13/16"	1' 1-1/16"
4075	7.5	3' 11-15/16"	30' 6-5/8"	0' 0-13/16"
415	15	3' 11-7/8"	15' 3-3/8"	0' 1-9/16"
4225	22.5	3' 11-11/16"	10' 2-1/4"	0' 2-5/16"
430	30	3' 11-3/8"	7' 7-11/16"	0' 3-1/8"
4375	37.5	3' 11-1/8"	6' 1-3/8"	0' 3-7/8"
445	45	3' 10-3/4"	5' 1-1/8"	0' 4-5/8"
4525	52.5	3' 10-5/16"	4' 4-3/8"	0' 4-5/8"
460	60	3' 9-7/8"	3' 9-13/16"	0' 6-1/16"
475	75	3' 8-1/2"	3' 0-5/8"	0' 7-1/2"
490	90	3' 7-1/4"	2' 6-9/16"	0' 8-13/16"

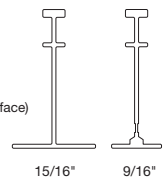
Perimeter Trim

Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
4STR	N/A	N/A	N/A	N/A
6STR	N/A	N/A	N/A	N/A
8STR	N/A	N/A	N/A	N/A
10STR	N/A	N/A	N/A	N/A

For additional information and accessories see brochure CS-3960.
CAD drawings available on armstrong.com/serpentina



Serpentina main beams are identified by arc length. For example, a 690 hill main beam has a 5' 4-1/2" chord length and will occupy 5' 4-1/2" of ceiling area.



NOTE: 9/16" suspension uses 24" x 24" panels only

PHYSICAL DATA

Material
Extruded aluminum curved main beams and hot dipped galvanized steel Prelude® or Suprafine® cross tees

Main Beam Load Test Data
Hanger Spacing (Lbs/LF)
(Applies to straight 15/16" face sections only)
42" - 18.66 48" - 10.80

Cross Tee/Main Beam Interface
Flush Fit

End Detail
Staked-on clip

Panel Sizes
2' x 4' and 2' x 6' semi-concealed metal panel options;
2' x 2', 2' x 4', and 2' x 6' lay-in panel options (select panel types perforated and unperforated)

Design Consideration
9/16" suspension uses 2' x 2' panels only

Seismic Requirements
Refer to ASCE 7-10 for seismic requirements

Enhancing Acoustics

By adding optional poly-bagged fiberglass or laminated fleece backing, you can achieve a greater acoustical performance in your design. No ASTM test exists for curved configurations. See page 101 for infill options.

Fire Performance
Metal: Class A



SERPENTINA® Vault

Curved Clouds



Four 24" x 144" Serpentina Vaults in Dark Cherry Wood Look finish

Contact Serpentina Customer Service for help with custom options. Call 1 800 840 8521



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: serpentina vault

KEY SELECTION ATTRIBUTES

- Install with fewer cables for a dramatic floating visual
- Wide variety of finishes available
- Pre-engineered and shipped ready to install (no field modification necessary)
- Panels available in 24" x 72", 24" x 96", 24" x 120", and 24" x 144"
- Available in 15°, 30°, 45°, 60°, 75°, and 90° arcs
- Aircraft cable and hardware shipped as part of kit
- 30-Year Limited System Warranty

TYPICAL APPLICATIONS

- Corridors and lobbies
- Conference rooms
- Reception areas
- Public access areas
- Airports, bus terminals, and train stations
- Retail
- Education
- Hospitality
- Healthcare

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard Colors



Note: Custom colors available as special order.

Wood Look Architectural Film Colors*

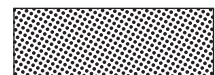


* Not available perforated. Custom wood finishes available.

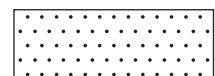
PERFORATION OPTIONS



Unperforated (UPA)



R062
Perfs: 1/16" Dia. @ 1/4" O.C.
Open area: 6% – No border



R042
Perfs: 3/64" Dia. @ 1/8" O.C.
Open area: 11% – No border

SERPENTINA® Vault

Curved Clouds

HOW TO SPECIFY

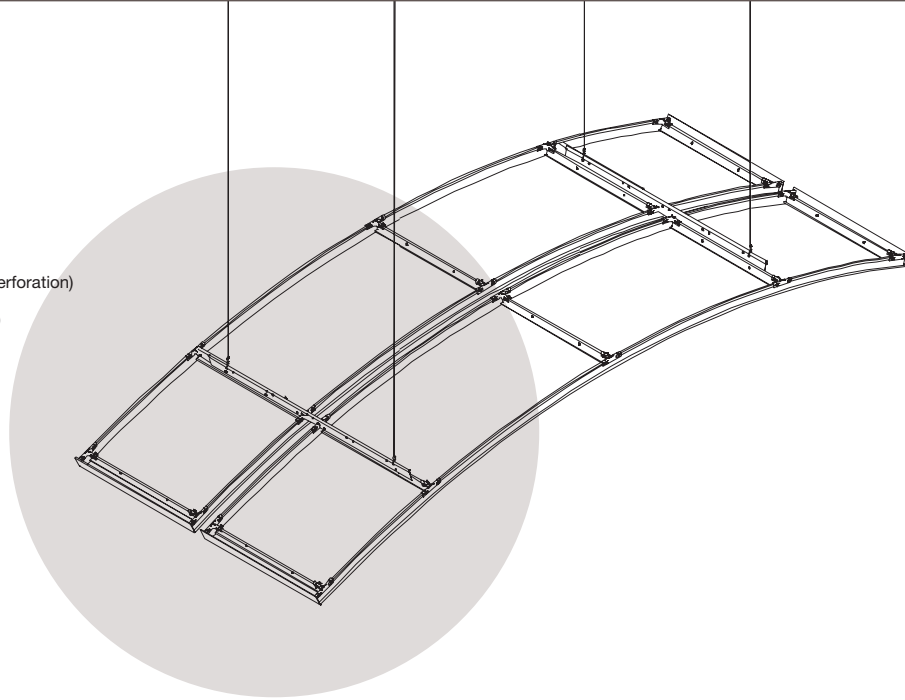
Simple guide on how to select your Vault:

1. Panel Length (72", 96", 120", 144")
2. Arc Choice (15°, 30°, 45°, 60°, 75°, 90°)
3. Perf Pattern (R042, R062, UPA)
4. Color (see page 43)
5. Choose Your Panel Spacing (2", 4", 6")

EXAMPLE:

660R042 MY

- ↑ Color (Gun Metal)
- ↑ Perf Pattern (R042 Perforation)
- ↑ Arc (60°)
- ↑ Panel Length (2' x 6')



ARC CHOICES



PANELS

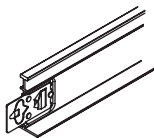
Sizes

24" x 72", 24" x 96", 24" x 120", 24" x 144"

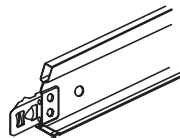
PANEL SPACING Create 2", 4", or 6" spacing between panels

Item No.	Description
SVLTSH2	2" Vault Spacer Support
SVLTSH4	4" Vault Spacer Support
SVLTSH6	6" Vault Spacer Support

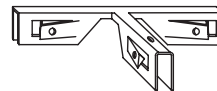
SERPENTINA VAULT COMPONENTS



Serpentina Main Beam
(15/16")



2' Prelude® Cross Tee
(15/16")



GC3W
Grip Clip 3-Way



Aircraft Cable
and Hardware

PHYSICAL DATA

Material

Extruded aluminum main beams and hot dipped galvanized steel cross tees.

Fire Performance

Metal: Class A

Seismic Requirements

Refer to ASCE 7-10 for seismic requirements

Warranty Information

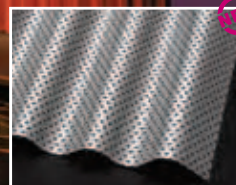
Details in back of catalog or at armstrong.com/warranty



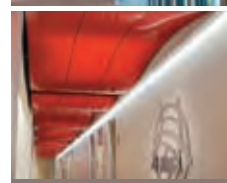
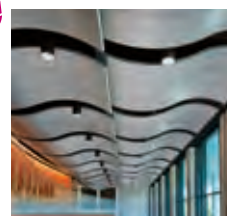
SERPENTINA® Waves™
Curved Clouds



Contact Serpentina Customer Service for help with custom options. Call 1 800 840 8521



Corrugated Infill Panel



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: serpentina waves

Serpentina Waves Clouds 24" x 96", 24" x 120", and 24" x 144" with R062 perforation in Silver Satin.

KEY SELECTION ATTRIBUTES

- Wide variety of finishes
- 30-Year Limited System Warranty
- Pre-engineered
- Panel lengths available up to 144"

TYPICAL APPLICATIONS

- Corridors and lobbies
- Conference rooms
- Reception areas
- Public access areas
- Airports, bus terminals, and train stations
- Retail
- Education
- Hospitality
- Healthcare

For Installation Considerations and Physical Data, see BPCS-3948 at armstrong.com/serpentina

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard Colors



Wood Look Architectural Film Colors*



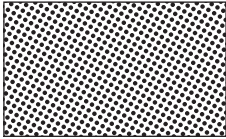
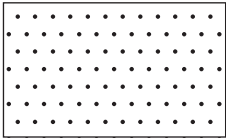
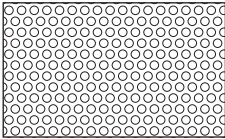
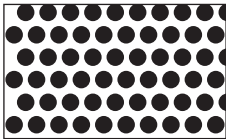
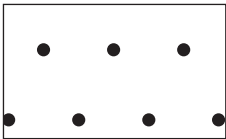
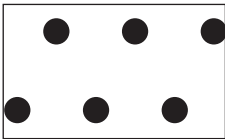
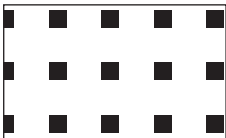
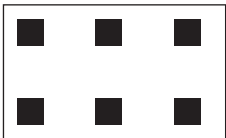


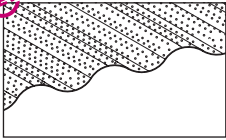
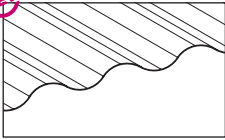
NOTE: Custom RAL colors and wood finishes available

* Not available perforated

SERPENTINA® Waves™












Curved Clouds

SERPENTINA WAVES METAL INFILL PANELS

 R042 Perfs: 3/64" Dia. @ 1/8" O.C. Open area: 11% - No border	 R062 Perfs: 1/16" Dia. @ 1/4" O.C. Open area: 6% - No border	 R125* Perfs: 1/8" Dia. @ 3/16" O.C. Open area: 41% Nominal 3/4" border
 **R250 Perfs: 1/4" Dia. @ 0.32" O.C. Open area: 58% Nominal 3/4" border	 ***R188 Perfs: 3/16" Dia. @ 1" O.C. Open area: 4% Nominal 3/4" border	 ***R375 Perfs: 3/8" Dia. @ 1-1/8" O.C. Open area: 9% Nominal 3/4" border
 S250* Perfs: 1/4" x 1/4" @ 3/4" O.C. Open area: 11% Nominal 3/4" border	 ***S375 Perfs: 3/8" x 3/8" @ 1-1/8" O.C. Open area: 11% Nominal 3/4" border	 *S500 Perfs: 1/2" x 1/2" @ 5/8" O.C. Open area: 64% Nominal 3/4" border
 UPA Unperforated Panel	 CR125* Perfs: 1/8" @ 3/16" O.C. Open area: 41% Nominal 3/4" border	 CUPA Unperforated Corrugated Panel

* Laminated acoustical fleece is not available on Perforated Panels R125, R250, S500 or CR125 due to open cell percentage.
*** Acoustical fleece comes standard

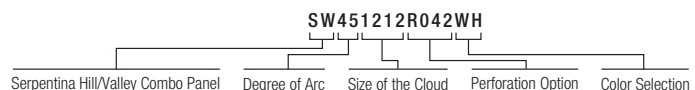
SERPENTINA COMPONENTS

Item No.	Description
 H/V	Main Beam (15/16")
 SPTSTR	1'12' Straight Trim
 H/V PT	Curved Trim
 SH12	Serpentina StrongBack System
 SPTOSCP	Serpentina Outside Corner Post
 AXCCLT	Serpentina Trim Twist Clip
 SPTSPLICE	Serpentina Splice Plate
 AX-SPT-HDC	Serpentina Trim Hold Down Clip
 SCXT24MR SCXT24SPT SCXT24SPT2	Serpentina Semi-concealed Connector Cross Tees
 SPTCS4-12	Serpentina Waves Connector Sleeves
 Speed Clip	Serpentina Semi-Concealed Splice Clip (3 per panel interface)

† U.S. and Foreign Patents: 6,763,642

SERPENTINA WAVES KITS	Perforation Pattern			Arc Degree	Description	Direction of Arc/ Size/Type
	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)			
SH300404	•			30	Hill with 30° arc	4' x 4'
SH450404	•			45	Hill with 45° arc	
SV300404		•		30	Valley with 30° arc	
SV450404		•		45	Valley with 45° arc	
SH300604	•			30	Hill with 30° arc	6' x 4'
SH450604	•			45	Hill with 45° arc	
SV300604		•		30	Valley with 30° arc	
SV450604		•		45	Valley with 45° arc	
SH300804	•			30	Hill with 30° arc	8' x 4'
SH450804	•			45	Hill with 45° arc	
SV300804		•		30	Valley with 30° arc	
SV450804		•		45	Valley with 45° arc	
SW300804			•	30	Hill/Valley with 30° arc	8' x 4'
SW450804			•	45	Hill/Valley with 45° arc	
SH301004	•			30	Hill with 30° arc	10' x 4'
SH451004	•			45	Hill with 45° arc	
SV301004		•		30	Valley with 30° arc	
SV451004		•		45	Valley with 45° arc	

• = Perforation Pattern
♦♦ = Color, see page 45 to select your color



SERPENTINA® Waves™

Curved Clouds

SERPENTINA WAVES KITS

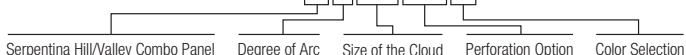


CLOUDS & CANOPIES

Item Number	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)	Arc Degree	Description	Direction of Arc/ Size/Type
SH301204	•			30	Hill with 30° arc	
SH451204	•			45	Hill with 45° arc	
SV301204		•		30	Valley with 30° arc	
SV451204		•		45	Valley with 45° arc	
SW301204			•	30	Hill/Valley with 30° arc	12' x 4'
SW451204			•	45	Hill/Valley with 45° arc	
SH300406	•			30	Hill with 30° arc	
SH450406	•			45	Hill with 45° arc	
SV300406		•		30	Valley with 30° arc	
SV450406		•		45	Valley with 45° arc	
SH300606	•			30	Hill with 30° arc	6' x 6'
SH450606	•			45	Hill with 45° arc	
SV300606		•		30	Valley with 30° arc	
SV450606		•		45	Valley with 45° arc	
SH300806	•			30	Hill with 30° arc	
SH450806	•			45	Hill with 45° arc	
SV300806		•		30	Valley with 30° arc	
SV450806		•		45	Valley with 45° arc	
SW300608			•	30	Hill/Valley with 30° arc	8' x 6'
SW450806			•	45	Hill/Valley with 45° arc	
SH301006	•			30	Hill with 30° arc	
SH451006	•			45	Hill with 45° arc	
SV301006		•		30	Valley with 30° arc	
SV451006		•		45	Valley with 45° arc	
SH301206	•			30	Hill with 30° arc	10' x 6'
SH451206	•			45	Hill with 45° arc	
SV301206		•		30	Valley with 30° arc	
SV451206		•		45	Valley with 45° arc	
SW301206			•	30	Hill/Valley with 30° arc	12' x 6'
SW451206			•	45	Hill/Valley with 45° arc	
SH300408	•			30	Hill with 30° arc	
SH450408	•			45	Hill with 45° arc	
SV300408		•		30	Valley with 30° arc	
SV450408		•		45	Valley with 45° arc	
SH300608	•			30	Hill with 30° arc	6' x 8'
SH450608	•			45	Hill with 45° arc	
SV300608		•		30	Valley with 30° arc	
SV450608		•		45	Valley with 45° arc	
SH300808	•			30	Hill with 30° arc	
SH450808	•			45	Hill with 45° arc	
SV300808		•		30	Valley with 30° arc	
SV450808		•		45	Valley with 45° arc	
SW300808			•	30	Hill/Valley with 30° arc	8' x 8'
SW450808			•	45	Hill/Valley with 45° arc	
SH301008	•			30	Hill with 30° arc	
SH451008	•			45	Hill with 45° arc	
SV301008		•		30	Valley with 30° arc	
SV451008		•		45	Valley with 45° arc	
SH301208	•			30	Hill with 30° arc	10' x 8'
SH451208	•			45	Hill with 45° arc	
SV301208		•		30	Valley with 30° arc	
SV451208		•		45	Valley with 45° arc	
SW301208			•	30	Hill/Valley with 30° arc	12' x 8'
SW451208			•	45	Hill/Valley with 45° arc	

---♦--- = Perforation Pattern, see page 46 to select your pattern
 ---♦♦--- = Color, see page 45 to select your color

SW451212R042WH



SERPENTINA® Waves™

Curved Clouds

SERPENTINA WAVES KITS

Item Number	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)	Arc Degree	Description	Direction of Arc/ Size/Type
SH300410	•			30	Hill with 30° arc	
SH450410	•			45	Hill with 45° arc	
SV300410		•		30	Valley with 30° arc	
SV450410		•		45	Valley with 45° arc	
SH300610	•			30	Hill with 30° arc	
SH450610	•			45	Hill with 45° arc	
SV300610		•		30	Valley with 30° arc	
SV450610		•		45	Valley with 45° arc	
SH300810	•			30	Hill with 30° arc	
SH450810	•			45	Hill with 45° arc	
SV300810		•		30	Valley with 30° arc	
SV450810		•		45	Valley with 45° arc	
SW300810			•	30	Hill/Valley with 30° arc	
SW450810			•	45	Hill/Valley with 45° arc	
SH301010	•			30	Hill with 30° arc	
SH451010	•			45	Hill with 45° arc	
SV301010		•		30	Valley with 30° arc	
SV451010		•		45	Valley with 45° arc	
SH301210	•			30	Hill with 30° arc	
SH451210	•			45	Hill with 45° arc	
SV301212		•		30	Valley with 30° arc	
SV451212		•		45	Valley with 45° arc	
SW301212			•	30	Hill/Valley with 30° arc	
SW451212			•	45	Hill/Valley with 45° arc	
SH300412	•			30	Hill with 30° arc	
SH450412	•			45	Hill with 45° arc	
SV300412		•		30	Valley with 30° arc	
SV450412		•		45	Valley with 45° arc	
SH300612	•			30	Hill with 30° arc	
SH450612	•			45	Hill with 45° arc	
SV300612		•		30	Valley with 30° arc	
SV450612		•		45	Valley with 45° arc	
SH300812	•			30	Hill with 30° arc	
SH450812	•			45	Hill with 45° arc	
SV300812		•		30	Valley with 30° arc	
SV450812		•		45	Valley with 45° arc	
SW300812			•	30	Hill/Valley with 30° arc	
SW450812			•	45	Hill/Valley with 45° arc	
SH301012	•			30	Hill with 30° arc	
SH451012	•			45	Hill with 45° arc	
SV301012		•		30	Valley with 30° arc	
SV451012		•		45	Valley with 45° arc	
SH301212	•			30	Hill with 30° arc	
SH451212	•			45	Hill with 45° arc	
SV301212		•		30	Valley with 30° arc	
SV451212		•		45	Valley with 45° arc	
SW301212			•	30	Hill/Valley with 30° arc	
SW451212			•	45	Hill/Valley with 45° arc	

---♦ = Perforation Pattern, see page 46 to select your pattern
 ---♦♦ = Color, see page 45 to select your color

SW451212R042WH

Serpentina Hill/Valley Combo Panel Degree of Arc Size of the Cloud Perforation Option Color Selection



SOUNDSCAPES® Acoustical Canopies

68% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



SoundScapes Acoustical Canopies 46-1/2" x 75" Hill panels in White

KEY SELECTION ATTRIBUTES

- Enhance acoustics with spot absorption
- Aesthetically define spaces
- Hill and valley shapes available in multiple sizes
- Variety of standard colors; custom colors available
- Adjustable to special heights
- Energy-efficient, high light-reflectant surface (White only)
- Embedded flush-mounted hardware system for clean look
- Coordinate with SoundScapes Shapes, Metaphors® Coffers, Infusions® Canopies, Lay-in Panels, Partitions, Walls, and Wings and Create! ceiling panels

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Item Number**	Description	Dimensions (Inches)	Fire Rating	Light Reflect	Durable			Recycle Content*	Recycle
				(White Only)	Wash	Scratch	Soil	Yes	
6258	Hill Canopy	46-1/2 x 75 x 1-1/4"	Class A	0.90	•	•	•	High	•
6259	Valley Canopy	46-1/2 x 75 x 1-1/4"	Class A	0.90	•	•	•	High	•
6260	Hill Canopy	36 x 36 x 1-1/4"	Class A	0.90	•	•	•	High	•
6261	Valley Canopy	36 x 36 x 1-1/4"	Class A	0.90	•	•	•	High	•

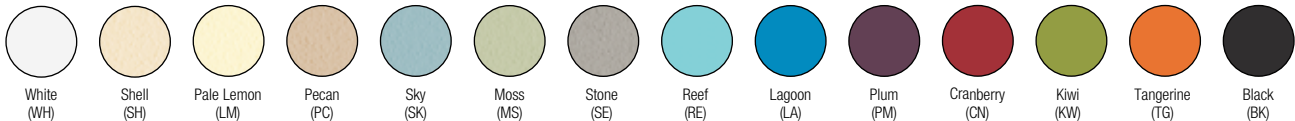
ACCESSORIES

Item Number	Description
625530	Extended Hanging Cables – (4) 30' Cables
7006	Escutcheon Kit – Used when hanging canopy below an existing ceiling; 2 kits needed per SoundScapes panel.

** Add 2-letter color suffix to item number when specifying or ordering (ex: 6258L M)
NOTE: SoundScapes Canopies kits include canopies, installation hardware, and 16' cables.

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



To see coordinating Ultima® & Optima® Create! and RAL colors, visit armstrong.com/createcolors. Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

PHYSICAL DATA

Material
Mineral fiber pre-formed in canopy shape

Panel Arc
Fixed 129" radius

Surface Finish and Edge Detail
DuraBrite® scrim on all sides, finished square edges

Fire Performance
ASTM E84 Class A per IBC

SoundScapes Canopies, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.



High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Performance (based on 48" x 72" canopy)
30 Sabin per panel using ASTM C423, or 78% more sound absorption than the same square footage of NRC 0.70 continuous ceilings.

Design Considerations
SoundScapes Canopies cannot be cut, drilled, or altered in any way. Panels can be damaged by exposure to moisture, to high temperatures, and to high humidity. They are not approved for exterior application.

Canopies must be installed a minimum of 18" apart. Lipping may be visible in installations closer than 18".

Field painting may affect the acoustical and/or fire performance, is not recommended, and will void the product warranty.

Special care in installation and handling must be taken with color canopies to avoid surface damage to the paint finish. The SoundScapes cable hanging system must not hang from any commercial ceiling suspension system. The canopy must not be used to support any other material.

Installation Considerations
SoundScapes Canopies must remain in their cartons until ready to hang. They require two people to handle and install a panel safely. Do not remove the canopy

edge protectors until the panel is installed. Canopies in colors other than White require additional care to reduce scuffing. See installation instructions on web site for details.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage: The functional and physical interrelationship of components, their supports, and their effect on each other shall be considered so that the failure of an essential or non-essential architectural, mechanical, or electrical component shall not cause the failure of an essential architectural, mechanical, or electrical component. Item #3: The connection to the structure shall allow for a 360° range of motion in the horizontal plane.

Suspension System
Embedded, flush-mounted hardware system and aircraft cables provided in panel kits.

Warranty
Warranty details at armstrong.com/warranty

Weight
Bulk packaged per order
6258, 6259 – 50 lbs per panel
6260, 6261 – 19.4 lbs per panel

SOUNDSCAPES® Basics

Acoustical Canopies

72% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local materials

Calculate LEED contribution at armstrong.com/greengenie



SoundScapes Basics Acoustical Canopies

KEY SELECTION ATTRIBUTES

- Define spaces and enhance acoustics in open plenum spaces with spot sound absorption
- Curved panel can be used as a hill or valley
- Fast, easy installation
- Fast lead times – perfect for retrofit applications
- Energy efficient, high light-reflectant surface
- For additional size and color options, see SoundScapes Acoustical Canopies and Shapes

COLOR SELECTION



White (WH)

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance

Item Number	Description	Dimensions (Inches)	Quantity	Color	Sabins/ Panel	Fire Rating	Light Reflect	Sag Resist	Anti-Mold & Mildew	Durable	Recycle Content*	Recycle		
								Humi-Guard+	BioBlock+	Wash	Scratch	Soil	Yes	
66331WH 66334WH	Square	Nominal 48 x 48" (1200mm x 1200mm)	1 pc/ctn 4 pcs/ctn	White	19	Class A	0.90	•	•	•	•	•	High	•
66341WH 66344WH	Rectangle	Nominal 48 x 96" (1200mm x 2400mm)	1 pc/ctn 4 pcs/ctn	White	38	Class A	0.90	•	•	•	•	•	High	•
66351WH 66352WH	Hill/Valley	Nominal 48 x 72" (1181mm x 1869mm)	1 pc/ctn 2 pcs/ctn	White	26	Class A	0.90	•	•	•	•	•	High	•

Note: Installation hardware included in package.

PHYSICAL DATA

Material

Flat clouds 1.57" thick, curved canopy 1.18" thick fiberglass with DuraBrite™ scrim on face and back, painted sides.

Surface Finish

DuraBrite with factory-applied paint on face and back, painted sides. Standard White has energy-saving, high light-reflective finish (LR 0.90).

Fire Performance

SoundScapes Basics panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Basics, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water

distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification

Type XII, Form 2, Pattern E

Acoustical Performance

Acoustical performance differs based on panel size. See chart above for more information.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Design Considerations

Special care in installation and handling must be taken to avoid surface damage to the paint finish.

Due to slight thickness and paint system variations, do not mix SoundScapes Basics with other SoundScapes products.

Seismic Installation

Refer to ASCE 7-10 for Seismic Requirements.

Suspension Systems

SoundScapes Basics ships with the recommended installation components. See Installation Instructions BPLA-297846 for installation details.

Warranty

Warranty details at armstrong.com/warranty

Panel Weight/SF
1.0 lbs/SF



SOUNDSCAPES® Shapes

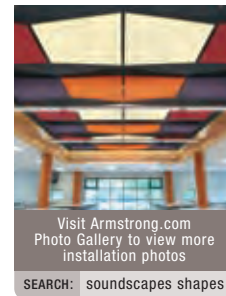
Acoustical Clouds



SoundScapes Shapes Hexagon panels in Pale Lemon

KEY SELECTION ATTRIBUTES

- Enhance acoustics in open areas
- Aesthetically define spaces
- Standard flat panels in multiple sizes and shapes; Custom shapes available
- Variety of standard colors and custom colors available to coordinate with Armstrong and other interior finishes
- Adjustable to various heights and angles
- 360° panel finishing capability available
- Quick and easy to install from a deck, through a ceiling, directly attached to drywall, on a standard suspension system, or on a wall
- Engineered and tested for use in seismic areas
- Metaphors® Coffers, Create! ceiling panels, Infusions® Canopies, Lay-in panels, Partitions, Walls, and Wings available in coordinating colors



COLOR SELECTION Due to printing limitations, shade may vary from actual product.



To see coordinating Ultima® & Optima® Create! and RAL colors, visit armstrong.com/createcolors. Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

PANEL SELECTION (shown in finish view from below ceiling)

Item Number*	Description/Dimensions	Item Number*	Description/Dimensions	Item Number*	Description/Dimensions
5440	Square 48" x 48" x 7/8" (Nominal)	5444	Hexagon 48" x 48" x 7/8" (Nominal)	5636	Square – 6" Square cut corner 48" x 48" x 7/8" (Nominal)
5441	Convex 48" x 48" x 7/8" (Nominal)	5445	Trapezoid 48" x 48" x 7/8" (Nominal)	5448	Small Rectangle 48" x 72" x 7/8" (Nominal)
5442	Concave 48" x 48" x 7/8" (Nominal)	5635	Square – 6" Radius cut corner 48" x 48" x 7/8" (Nominal)	5449	Large Rectangle 48" x 96" x 7/8" (Nominal)
5443	Circle 48" x 48" x 7/8" (Nominal)	* NOTE: Add 2-letter color suffix when specifying or ordering (Ex: 5440 W H for Square Panel in White). Concealed hardware with 360° finishing available on all Shapes except Hexagon.			

For information about 360° finishing, Custom shapes, and colors, contact Armstrong Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

SOUNDSCAPES® Shapes

Acoustical Clouds

82% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

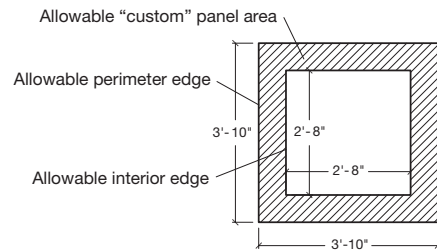
Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

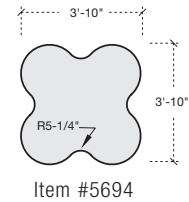
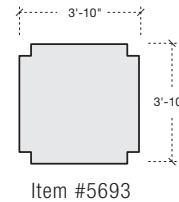
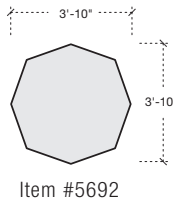
CUSTOM SHAPES

Create your own shapes!

Simply carve your creation out of the allowable custom panel area (interior edge to perimeter edge) as instructed below and send a CAD file to Architectural Specialties. For assistance, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.



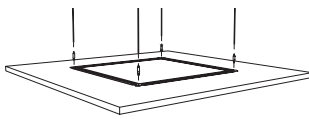
DESIGN IDEAS



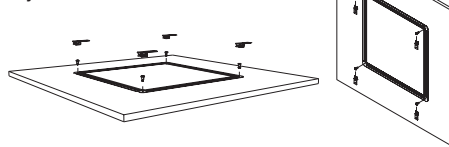
INSTALLATION OPTIONS

For grouping ideas, installation information and other details visit armstrong.com/shapes

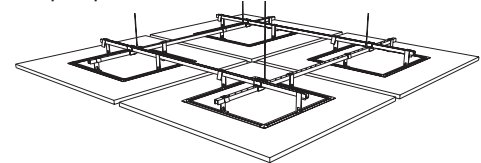
Individual Suspension



Individual Attachment to Drywall or Solid Surface



Group Suspension



(3) Items 5443 in White



(2) Items 5440 and 5448 in Tangerine (upper wall and ceiling)



Items 5441 and 5442 in White

ACCESSORIES KITS

Applications always require more than one kit. For accessory kit details, visit armstrong.com/soundscapesshapes

PHYSICAL DATA

Material

7/8" thick fiberglass with DuraBrite® scrim on face and sides or custom 1-3/4" thick fiberglass with DuraBrite scrim on all sides (360° finishing). To order custom panels, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

Surface Finish

DuraBrite with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Back of panel is unfinished with embedded metal extrusions.

Fire Performance

SoundScapes Shapes panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Shapes, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification

Type XII, Form 2, Pattern E

Acoustical Performance

1.49 Sabins per square foot or 66% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Color shapes have slightly reduced acoustical performance.

High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Design Considerations

SoundScapes Shapes maintain a natural sag that may not be noticeable when installed 6" or less apart. Deflection up to 1/8" has been documented in some cases.

Shapes available with 360° finishing for use in areas where panel back is exposed (can only be installed with included individual suspension).

Special care in installation and handling must be taken with color shapes to avoid surface damage to the paint finish. Custom colors are available. Contact Architectural Specialties with a Sherwin-Williams color code from the Durations or Harmony flat interior paint families (Code SW _ _ _ _).

Custom shapes are available by providing a custom shape drawing within guidelines for creating a custom shape to Architectural Specialties. Call 1 877 ARMSTRONG and select options 1-1-4 for assistance.

Seismic Restraint

Refer to ASCE 7-10, Section 13.5 Architectural Components for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage: The functional and physical interrelationship of components, their supports, and their effect on each other shall be considered so that the failure of an essential or non-essential architectural, mechanical, or electrical component shall not cause the failure of an essential architectural, mechanical, or electrical component. Item #3: The connection to the structure shall allow for a 360° range of motion in the horizontal plane.

Suspension Systems

SoundScapes Shapes are pre-assembled with metal extrusions in the back of the panels. Standard accessory kits facilitate quick and easy installation from the deck, through a ceiling, or directly attached to drywall. See Installation Instructions BPLA-297302 for installation details.

Warranty

Warranty details armstrong.com/warranty

Panel Weight
0.63 lbs/SF

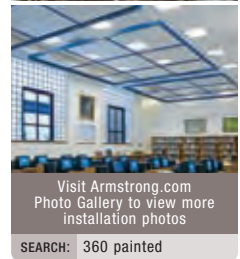


360° PAINTED GRID

Suspension System




360° Painted Grid System RAL 1033 with Axiom Classic Perimeter Trim



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: 360 painted

KEY SELECTION ATTRIBUTES

- **PeakForm**® profile increases strength and stability for improved performance during installation 
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 2.0 mil thick powder coating on all components

- Choice of more than 180 colors; matte and gloss finishes
- Helps to define space in an open/exposed plenum concept
- Provides a structure to hang signage or lights, and creates transitions for speakers and HVAC
- 10-year limited warranty
- XL^{®2} staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate


TYPICAL APPLICATIONS

- Retail
- Hospitality
- Theatres

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions	Hanger Spacing*		Fire Guard™	Seismic Category 	Lin. Ft./ Ctn.
				Lbs./Lin. Ft.				
360° Painted – Powder Coated Paint – (made to order)				4 Ft.	5 Ft.	Dots represent high level of performance.		
9/16"	7501*	12' HD Main Beam	144 x 9/16 x 1-11/16"	16.86	10.62		–	•
15/16"	56418*	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.50	8.73	–	•	240
9/16"	XL7540*	4' Cross Tee	48 x 9/16 x 1-11/16"	10.34	–	–	–	240
15/16"	56421*	4' Cross Tee	48 x 15/16 x 1-11/16"	10.34	–	–	–	240
9/16"	XL7520*	2' Cross Tee	24 x 9/16 x 1-11/16"	51.83	–	–	–	120
15/16"	56419*	2' Cross Tee	24 x 15/16 x 1-11/16"	51.83	–	–	–	120
Molding								
7/8"	7800	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360
360° Painted – Baked Polyester Paint								
15/16"	730136**	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.73	8.73	–	•	240
15/16"	XL734036**	4' Cross Tee	48 x 15/16 x 1-11/16"	12.25	–	–	–	240
15/16"	XL732036**	2' Cross Tee	24 x 15/16 x 1-11/16"	61.33	–	–	–	120
Molding								
7/8"	780036**	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360

* Simple Span
 ** Items 730136, XL734036, XL732036, and 780036 are available in Black and White only with baked polyester paint finish.
 Baked polyester paint finish system clips are not painted on main beam or cross tee. Touch-up paint available upon request.
 ♦ Metric items available

For more information, see submittal BPCS-3634.

ASTM Class
 HD - Heavy-duty
 ID - Intermediate-duty
 LD - Light-duty

For details on this product, call the
 TechLine™ at 1 877 ARMSTRONG

360° PAINTED GRID Suspension System

CUSTOM RAL COLORS Due to printing limitations, shade may vary from actual product.

For actual color selection, request sample of specific colors.

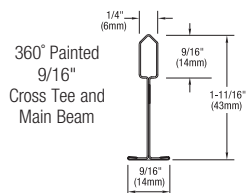


* These items are also available in matte finish as a special order.

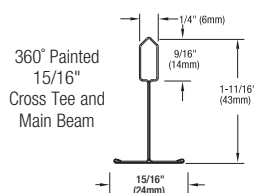
DETAILS



Powder Coated



Baked Polyester



PHYSICAL DATA

Material
Hot dipped galvanized steel

Surface Finish
2.0 mil powder coated painted surface or baked polyester paint

Cross Tee/Main Beam Interface
Override

End Detail
Main Beam: Staked-on clip
XL® Cross Tee: Staked-on clip

Main Beams	Minimum LBS. to pull out compression/tension
56418/730136/7501	330.0

Cross Tees	Minimum LBS. to pull out compression/tension
All XL cross tees exceed 300 lbs. in compression/tension	

Seismic Restraint

Note: Items 56418, 56421, and 56419 are the same as items 7301, XL7340, and XL8320 respectively for seismic performance. For floating installations refer to ASCE 7-10 for seismic requirements.

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

Warranty

See warranty details in the back of this catalog



WOODWORKS®

Accent & Acoustical Canopies

92% RECYCLED CONTENT

LEED®

- acoustics ✓
- energy ✓
- daylight & views ✓
- indoor air quality ✓
- renewable materials ✓
- recycled content ✓
- waste mgmt ✓
- local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



WoodWorks Canopies 48" x 96" S-curve in Natural Variations™ Light Cherry

KEY SELECTION ATTRIBUTES

- Aesthetically define spaces with warm, natural wood
- Choose from Hill, Valley, or S-curve dual radius canopies
- Adjustable to different heights and angles
- Perforated option available for better acoustics on hill and valley canopies
- Concealed mounting hardware for a clean look above and below

Custom veneer management available to coordinate with millwork or other interior finishes. Custom panel sizes available, contact Architectural Specialties at 1 877 ARMSTRONG, options 1-1-4

VISUAL SELECTION

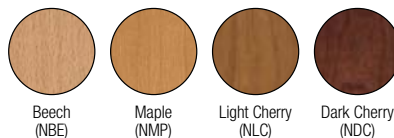
PERFORMANCE

Item Number*	Description	Shape	Dimensions (Inches)	Fire Rating
WOODWORKS Canopies				
5918_-----	Hill		72 x 36 x 3/4"	Class A
5919_-----	Valley		72 x 36 x 3/4"	Class A
5920_-----	Hill		96 x 48 x 3/4"	Class A
5921_-----	Valley		96 x 48 x 3/4"	Class A
5979_-----	S-curve		96 x 48 x 7/8"	Class A

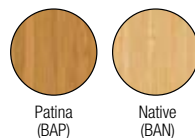
* When specifying or ordering, include the appropriate 5-digit perforation and color suffix (Ex: 5918W 1 N D C) with the item number.
NOTE: Suspension cables are shipped with canopies.

VENEER SELECTION Due to printing limitations, shade may vary from actual product.

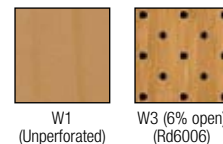
Natural Variations (Real Wood Veneers)



Bamboo (Rapidly Renewable)



PERFORATION OPTIONS (Actual 1:6 scale shown)



NOTE: Rd 6006 perforation on Hill and Valley only. Black fleece adhered to the back of panels for improved acoustics.

PHYSICAL DATA

Material
Hill/Valley – fire retardant particle board with face-cut veneers. S-curve – fire retardant medium density fiberboard with face-cut veneers.

Panel Arc
Hill or Valley – 12' radius
S-curve – 8' radius

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.



WoodWorks Canopies, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection

system. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification
Composite – Fire Class A

Acoustical Performance
18 Sabins per perforated wood canopy with acoustical fleece.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain. It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Design Considerations
WoodWorks Canopies are not approved for exterior application. The WoodWorks Canopies cable hanging system must not hang from any commercial ceiling suspension system. The canopy must not be used to support any other material. Concealed hardware (painted black) may be visible.

Installation Considerations

WoodWorks Canopies require two people to handle and install a panel safely. See installation instructions on web site for details at armstrong.com/installation.

Seismic Restraint
Refer to ASCE 7-10 for seismic requirements.

Suspension System
Hardware and 8' cables included in kit

Warranty
Warranty details armstrong.com/warranty

Weight/SF
Hill or Valley – 2.5 lbs per SF (Bulk packaged)
S-curve – 3.5 lbs per SF (Bulk packaged)



CLOUDS & CANOPIES

soundsoak baffles

Soundsoak® Acoustical Baffles –
Custom sizes and colors in Sailcloth Yellow, Navy Blue & Silver
Northern Rockies Regional Treatment Center, Fort Nelson, BC



VERTICAL ELEMENTS

HOW VERTICAL ELEMENTS COMBINE BEAUTIFUL DESIGN WITH GREAT ACOUSTICS

Sabin



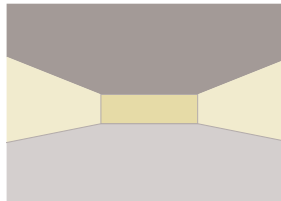
The preferred metric for measuring acoustics for “space absorbers” like vertical elements.

Total acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC, while “space absorbers” are directly measured. Acoustical vertical elements can provide greater sound absorption than a continuous ceiling of the same surface area, because the sound is absorbed from both the front and back surfaces.

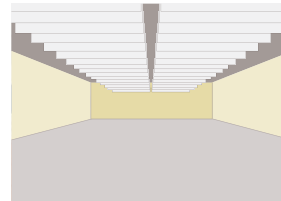
The installation of vertical elements in a reverberant space can significantly reduce the background noise and reverberation time, enhancing speech intelligibility.



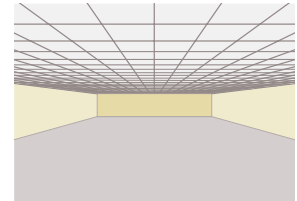
Exposed Structure



Blades Installation



Continuous Ceiling



OPEN PLAN BUILDING

5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet

	No Treatment (0% Coverage)	SoundScapes Blades (20% coverage)	Continuous Optima® Ceiling (100% Coverage)
Ceiling	Exposed Structure	260 Blades: 10" x 94" x 2"	Suspended 60" Below Deck
Sabin/SF	0	1.38	0.90
Reverberation Time (RT)	3.4 sec	1.0 sec	0.5 sec
RT Improvement	ref	72%	86%
SPL Reduction (dB)	ref	-4.0	-6.0

For definitions of acoustical terms, see page 333 in this catalog.

Be Sure You Get the Acoustic Values You Specify

UL Classified Acoustics Since 1998

Armstrong carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.

This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

Vertical Elements At-a-Glance

VERTICAL ELEMENTS



INFUSIONS Blades – Concepts pgs. 58A-58D



Metalworks Blades– Concepts pgs. 58E-58F



MetalWorks Blades pgs. 59-60



SoundScapes® Blades pgs. 61-62



Soundsoak® Baffles pg. 63-64

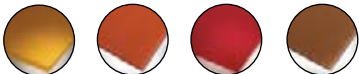


INFUSIONS BLADES – CONCEPTS

Solids



Cultured Pearl (TCP) Inspiration Ice (TNC) Calm Water (TCW) Natural Faith (TNF) Loyalty Latte (TLL) Caribbean Renewal (TAR) Sage Happiness (TSH) Budding Creativity (TBD) Tranquility Teal (TTT) Peace Blue (TPB) Sheer Iris (TSI) Blueberry Bliss (TBB)



Saffron Energy (TSE) Sedona Spirit (TSS) Red Fire (TRF) Cinnamon Sanity (TCS)

SoundScapes® Coordinating Colors



Refined Kiwi (TRK) Refined Reef (TRR) Refined Lagoon (TRL) Refined Plum (TRP) Refined Tangerine (TRT) Refined Cranberry (TRC) Refined Black (TRB)

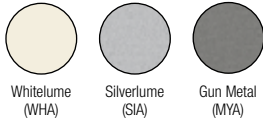
Patterns



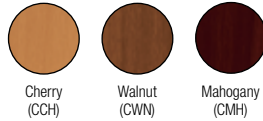
Honey Canvas (THC) Spun Copper (TSC) Crushed Copper (TCC) Linen Gold (TLG) Natural Linen (TNL)* Blue Linen (TBL)* Crystalline Focus (TCR) Crystalline Silverado (TSV) Crystalline Sky (TSY) Indigo Surf (TNS) Clear Arbor (TCA) Orange Arbor (TOA)

Vertical Elements At-a-Glance

METALWORKS BLADES



METALWORKS BLADES CONCEPTS



SOUNDSCAPES BLADES

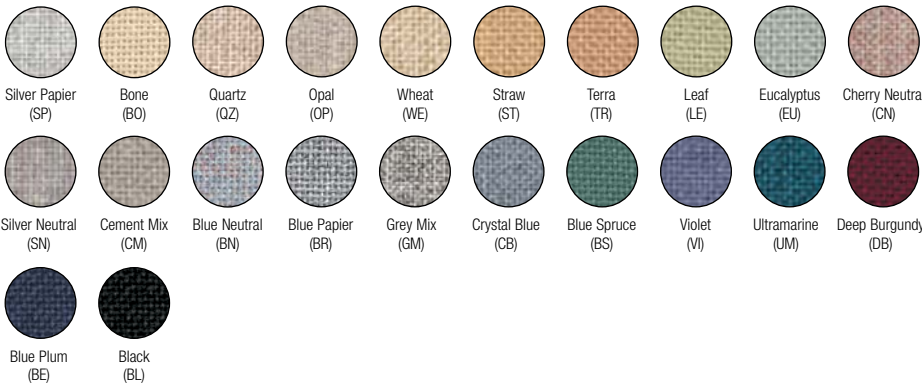


To see coordinating Ultima® & Optima® Create! and RAL colors, visit armstrong.com/createcolors. Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

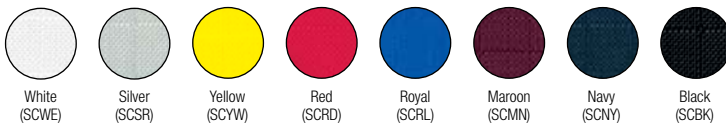
SOUNDISOAK BAFFLES

Woven Fabric Surface – BioAcoustic & Fiberglass Cores

FR-701



Sailcloth Fabric Surface – Fiberglass Core Only



ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics

Sabin measures are noted under physical data for each product.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Seismic

Category D, E & F

Fire Performance Class A

Light Reflectance

Light reflectance of 0.83 or greater.

BioBlock® Plus

Inhibits or retards growth of mold/mildew and odor/stain-causing bacteria on surface layers.

Humidity/Sag Resistance

HumiGuard Plus

Superior sag resistance, recommended for areas subject to high humidity, up to standing water and outdoor applications.

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity.

Scratch Resistance

Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability

Available in color.

Recycle Program

Product is recyclable through the Armstrong Recycling Program.

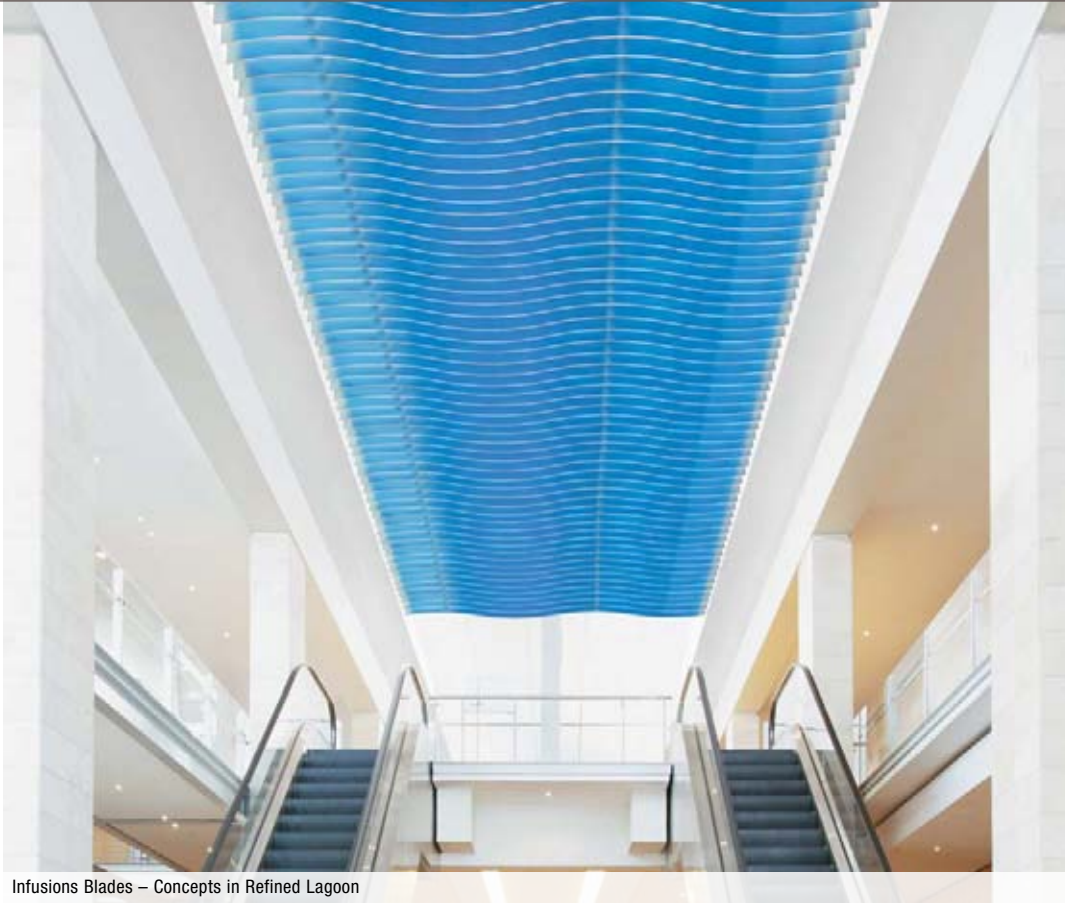
For information about MetalWorks Blades and custom Baffles, contact the Architectural Specialties project management team at 1 877 ARMSTRONG and select options 1-1-4.

For more information on SoundScapes Blades contact TechLine.



INFUSIONS® Blades™ – Concepts™

Linear Panels
smooth texture



Infusions Blades – Concepts in Refined Lagoon

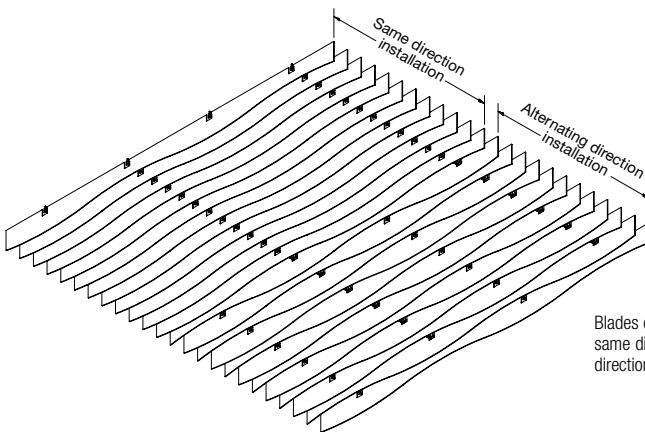
KEY SELECTION ATTRIBUTES

- Part of a family of products created for today's linear design trends, including MetalWorks™ Blades – Concepts, MetalWorks Blades – Classics™, and SoundScapes® Blades
- Create a colorful accent area or add dramatic visual impact with a full room installation
- Unique wave designs can create a variety of visuals depending on the spacing of the blades and the direction of installation
- Wide variety of colors and patterns to fit any design aesthetic
- Translucent blades coordinate with Armstrong and other interior finishes, including Infusions Walls, Partitions and Canopies, and SoundScapes Shapes and Blades
- Patent pending system offers fast and easy installation
- Class A fire performance
- Seismic tested and approved

cloud friendly

Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: infusions



Blades can be installed in the same direction or in alternating directions as shown.

Custom shapes available; contact Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG, select options 1-1-4.





INFUSIONS® Blades™ – Concepts™

Linear Panels smooth texture

COLOR SELECTION – SOLIDS

Due to printing limitations, shade may vary from actual product



Cultured Pearl
(TCP)



Inspiration Ice
(TNC)



Calm Water
(TCW)



Natural Faith
(TNF)



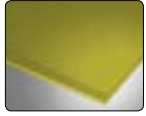
Loyalty Latte
(TLL)



Caribbean Renewal
(TAR)



Sage Happiness
(TSH)



Budding Creativity
(TBD)



Tranquility Teal
(TTT)



Peace Blue
(TPB)



Sheer Iris
(TSI)



Blueberry Bliss
(TBB)



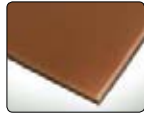
Saffron E nergy
(TSE)



Sedona Spirit
(TSS)

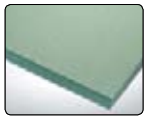


Red Fire
(TRF)



Cinnamon Sanity
(TCS)

SoundScapes® Coordinating Colors



Refined Kiwi
(TRK)



Refined Reef
(TRR)



Refined Lagoon
(TRL)



Refined Plum
(TRP)



Refined Tangerine
(TRT)



Refined Cranberry
(TRC)



Refined Black
(TRB)

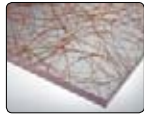
COLOR SELECTION – PATTERNS

Due to printing limitations, shade may vary from actual product.

Goldtones



Honey Canvas
(THC)



Spun Copper
(TSC)



Crushed Copper
(TCC)

Linens



Linen Gold
(TLG)



Natural Linen
(TNL)*



Blue Linen
(TBL)*

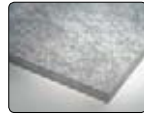
Crystallines



Crystalline Focus
(TCR)

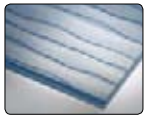


Crystalline Silverado
(TSV)



Crystalline Sky
(TSY)

Tones-on-tones

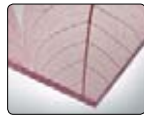


Indigo Surf
(TNS)

Arbors



Clear Arbor
(TCA)



Orange Arbor
(TOA)

* Due to the unique nature of the woven fabric used in this product, color may vary from blade to blade.

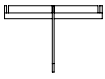
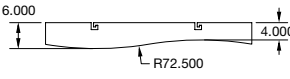
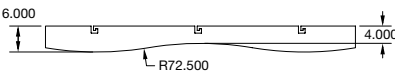



INFUSIONS® Blades™ – Concepts™

Linear Panels
smooth texture

PANEL SELECTION

PERFORMANCE

Edge Profile	Item Number	Dimensions (Inches) Nominal – Height & Length†	Fire Rating	Warranty
INFUSIONS Blades				
	7087 _ _ _	6 x 48 x 1/4" 	Class A	No. of Years 1
	7086 _ _ _	6 x 72 x 1/4" 	Class A	1
	7085 _ _ _	6 x 96 x 1/4" 	Class A	1

♦ When specifying or ordering, include the appropriate 3-letter color suffix. (Example: 7086 I S H)
† Thickness of blades varies by pattern from 0.245" to 0.298".

COLORS

Solids

Cultured Pearl (TCP)
Inspiration Ice (TNC)
Red Fire (TRF)
Cinnamon Sanity (TCS)
Sage Happiness (TSH)
Sedona Spirit (TSS)
Calm Water (TCW)
Loyalty Latte (TLL)

Caribbean Renewal (TAR)
Budding Creativity (TBD)
Tranquility Teal (TTT)
Sheer Iris (TSI)
Peace Blue (TPB)
Blueberry Bliss (TBB)
Saffron Energy (TSE)
Natural Faith (TNF)

SoundScapes®

Coordinating Colors
Refined Kiwi (TRK)
Refined Black (TRB)
Refined Reef (TRR)
Refined Plum (TRP)
Refined Tangerine (TRT)
Refined Cranberry (TRC)
Refined Lagoon (TRL)

Goldtones

Honey Canvas (THC)
Spun Copper (TSC)
Crushed Copper (TCC)
Tones-on-tones
Indigo Surf (TNS)




Linens

Blue Linen (TBL)
Linen Gold (TLG)
Natural Linen (TNL)
Crystallines
Crystalline Focus (TCR)
Crystalline Silverado (TSV)
Crystalline Sky (TSY)

Arbors

Clear Arbor (TCA)
Orange Arbor (TOA)

SUSPENSION COMPONENTS

	Item Number	Description	Color	Pieces/Carton
	7137AB	96" Suspension Bar with End-to-End Connectors	Anodized Black	8 bars/4 connectors
	7136AB	94.5" Suspension Bar with End-to-End Connectors	Anodized Black	8 bars/4 connectors
	7135AB	93" Suspension Bar	Anodized Black	8 bars
	6651AB	Suspension Bar End-to-End Connectors	Anodized Black	5
	6655	#047 Blades Hanging Kit*	Black	1 kit

* Each Blades Hanging Kit includes four hanging assemblies. Use one kit for each suspension bar.

PHYSICAL DATA

Material

Polycarbonate

Surface Finish

Smooth

Fire Performance

Infusions Blades – Concepts have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 ARMSTRONG for specific US and Canadian fire performance data.

Design Considerations

Infusions Blades – Concepts are not approved for exterior application.

Due to the unique nature of the woven fabric used in this product, Natural Linen and Blue Linen colors may vary blade to blade.

Installation Considerations

Do not allow blade edges to get wet or be exposed to moisture.

Any fixtures adjacent to Infusions Blades – Concepts must be independently supported. There is potential for limited natural deflection of panels.

Infusions Blades – Concepts can be damaged by exposure to high temperatures. Blade temperature should not be permitted to exceed 100°F.

Follow these guidelines for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrong.com/infusions

Spacing between two adjacent blade ends must be a minimum of 1/4".

Seismic Restraint

Infusions Blades – Concepts has been engineered, tested, and approved for use in all seismic areas. OSHPOD/DSA installations may require additional attachment from blade to suspension bar. Consult Armstrong to special order blades to accommodate these applications.

Warranty

Warranty details at armstrong.com/warranty

Weight; Pieces/Carton

1.63 lbs/SF
7085, 7086 – 8 pcs/ctn
7087 – 16 pcs/ctn

TechLineSM / 1 877 ARMSTRONG
armstrong.com/infusions
(search: blades)
BPCS-4787-514

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58D





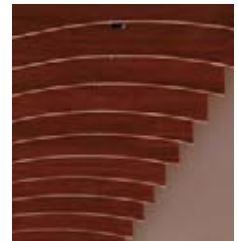
METALWORKS™ Blades™ – Concepts™

Linear Design

smooth texture



MetalWorks Blades – Concepts in Walnut



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks blades – concepts

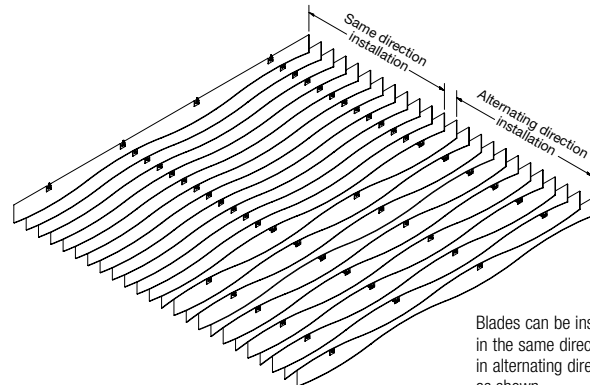
KEY SELECTION ATTRIBUTES

- Part of a family of products created for today's linear design trends, including MetalWorks Blades – Classics™, Infusions® Blades – Concepts, and SoundScapes® Blades
- Create an accent area or add dramatic visual impact with a full room installation
- Unique wave designs can create a variety of visuals depending on the spacing of blades and the direction of installation
- Rich wood looks bring warmth to any space
- Perfect for both renovation and new construction projects
- Patent pending system offers fast and easy installation
- Class A fire performance
- Seismic tested and approved

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Concepts



Blades can be installed in the same direction or in alternating directions as shown.



METALWORKS™ Blades™ – Concepts™

Linear Design
smooth texture

UP TO 20% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number*	Description/ Dimensions L x W x D (Inches)	Durable		
			Wash	Scrub	Soil
	7090 ---		•	•	•
	7089 ---		•	•	•
	7088 ---		•	•	•

* When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 7088 C C H)

COLORS

Cherry (CCH) Walnut (CWN) Mahogany (CMH)

SUSPENSION COMPONENTS

Item Number	Description	Color	Pieces/Carton
7207AB	94.5" Suspension Bar with End Connectors	Anodized Black	10 bars/5 end connectors
7208AB	96" Suspension Bar	Anodized Black	10 bars/5 end connectors
7206AB	93" Suspension Bar	Anodized Black	10 bars
6651AB	Suspension Bar End-to-End Connectors	Anodized Black	5
6655	#047 Blades Hanging Kit*		1 kit

* Each Blades Hanging Kit includes four hanging assemblies. Use one kit for each suspension bar.

PHYSICAL DATA

Material

Aluminum composite material – .157" thick (Aluminum with fire retardant mineral core)

Surface Finish

Factory-applied polyester paint

Fire Performance

Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Recycled Content

Up to 20% recycled content

Design Considerations

MetalWorks Blades – Concepts are not approved for exterior application.

Lighting will reflect differently through cut edges.

Installation Considerations

Any fixtures adjacent to MetalWorks Blades – Concepts must be independently supported.

Adjacent blade ends must be spaced a minimum of 1/4" apart.

Design Support

Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Seismic Restraint

MetalWorks Blades – Concepts has been engineered, tested, and approved for use in all seismic areas. OSHPOD/DSA installations may require additional attachment from blade to suspension bar. Consult Armstrong to special order blades to accommodate these applications. Refer to ASCE 7–10, section 13.5 architectural components for details on seismic requirements.

Warranty

Warranty details at armstrong.com/warranty

Weight; Lineal Feet/Carton

0.50 lbs/LF



METALWORKS™ Blades™ – Classics™

Linear Design with Acoustical Options

smooth texture



MetalWorks Blades in Whitelume, with M15 perforation

KEY SELECTION ATTRIBUTES

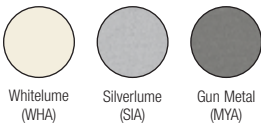
- Create acoustical or non-acoustical upscale linear designs
- Blades come with two end caps, one end cap, or no end caps for maximum design flexibility
 - Join several blades together to create a longer run
 - Use double end capped blade for access areas
- Blade spacing is variable to accommodate a variety of design and acoustical needs
- Fast, easy installation on standard Prelude® 15/16" suspension system
- Custom RAL colors available on unperforated blades



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks blades – classics

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

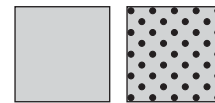


Whitelume (WHA)

Silverlume (SIA)

Gun Metal (MYA)

PERFORATION OPTIONS (1:2 scale shown)



M1 (Unperforated)

M15 (Rg 1612)

Additional sizes, colors, and perforations may be available. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.

METALWORKS™ Blades™ – Classics™

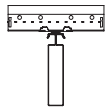



Linear Design with Acoustical Options
smooth texture

LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE

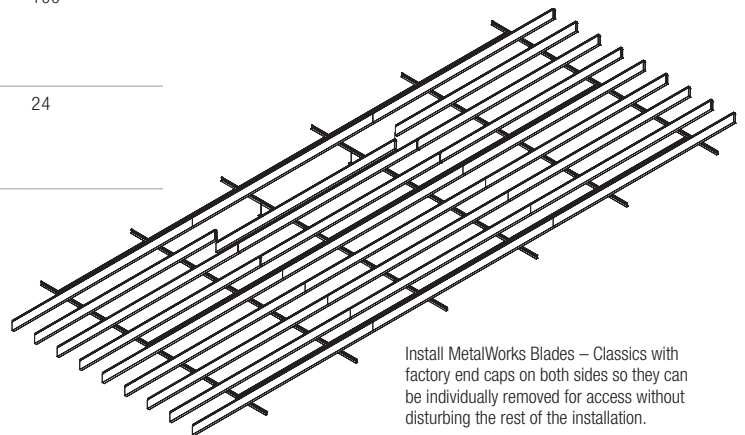
Edge Profile	Item No.*	Description/Dimensions L x W x D	Durable			
			Sabins/Panel†	Wash	Scrub	Soil
METALWORKS Blades – Classics						
	7201 -----	 Blade with 2 end caps 95 x 4 x 1"	2.5 •	•	•	•
	7202 -----	 Blade with 1 end cap 96 x 4 x 1"	2.5 •	•	•	•
	7203 -----	 Blade with no end caps 96 x 4 x 1"	2.5 •	•	•	•

* When specifying or ordering, include the appropriate 2-letter color perforation suffix and 3-letter color suffix (e.g., 7201 M 1 S 1 A)
† With M15 perforation

ACCESSORIES

Item Number	Description	Pieces/Carton
 7204	MetalWorks Blades – Classics Attachment Clip	100
 7205	MetalWorks Blades – Classics Alignment Device	24

Create access areas by using 95" blade (Item 7201)



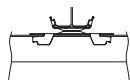
Install MetalWorks Blades – Classics with factory end caps on both sides so they can be individually removed for access without disturbing the rest of the installation.

COLORS AND PERFORATIONS

Whitelume (WHA)	Gun Metal (MYA)	M1 (Unperforated)
Silverlume (SIA)		M15 (Rd 1612)

SUSPENSION SYSTEMS

15/16"



Prelude® XL® Black or Heavy Duty 360° Painted Grid

PHYSICAL DATA

Material
Aluminum – thickness 0.032"

Surface Finish
Factory-applied polyester paint

Fire Performance
Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece to absorb sound (2.5 sabins/panel).

Recycled Content
Minimum 25%, up to 98% recycled content available.

Design Support
Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage: The functional and physical interrelationship of components, their supports, and their effect on each other shall be considered so that the failure of an essential or

non-essential architectural, mechanical, or electrical component shall not cause the failure of an essential architectural, mechanical, or electrical component. Item #3: The connection to the structure shall allow for a 360° range of motion in the horizontal plane.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
1.41 – 1.43 lbs/SF



SOUNDSCAPES® Blades™

Linear Acoustical Panels

smooth texture



SoundScapes Blades Item 3920, 10" x 46", suspended with Item 7891, 12 gauge hanger wire.

KEY SELECTION ATTRIBUTES

- Excellent acoustical absorption – 1.38 sabins/ft²
- SoundScapes Blades reduce reverberation time in your space
- Four blade sizes
- Linear, upscale visual
- Seismic tested
- Integrated hardware
- Installs from a standard suspension system or individual suspension

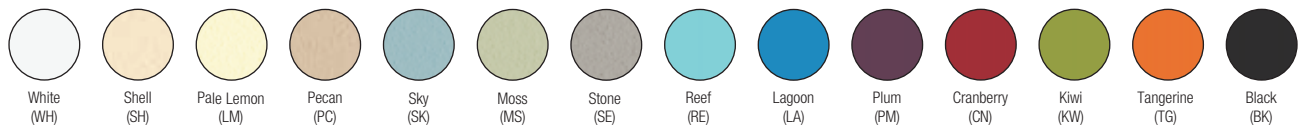


VISUAL SELECTION Shown in elevation view

PERFORMANCE Dots represent high level of performance.

Item Number	Description	Dimensions (Inches)	Light Reflect	Fire Rating	Anti-Microbial	Sag Resist	Durability				Recycle
							Wash	Impact	Scratch	Soil	
3920_ _	Vertical Blade	10 x 46 x 2"	0.90	Class A	Inherent	•	•	•	•	•	•
3921_ _	Vertical Blade	10 x 94 x 2"	0.90	Class A	Inherent	•	•	•	•	•	•
3922_ _	Vertical Blade	22 x 46 x 2"	0.90	Class A	Inherent	•	•	•	•	•	•
3923_ _	Vertical Blade	22" x 94" x 2"	0.90	Class A	Inherent	•	•	•	•	•	•

COLOR SELECTION Due to printing limitations, shade may vary from actual product.



To see coordinating Ultima® & Optima® Create! and RAL colors, visit armstrong.com/createcolors. Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

SOUNDSCAPES® Blades™

Linear Acoustical Panels

smooth texture

UP TO **71%** RECYCLED CONTENT

LEED®

- acoustics ✓
- energy ✓
- daylight & views ✓
- indoor air quality ✓
- renewable materials ✓
- recycled content ✓
- waste mgmt ✓
- local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

INSTALLATION OPTIONS



Group Suspension

Item No.	Description	Lin Ft/Carton
PRELUDE® XL®		
7301	HD Main Beam	240
XL7341	48" Cross Tee	240
XL8320	24" Cross Tee	120
7800	7/8" Wall Angle	360
360 PAINTED GRID		
56418	144" HD Main Beam	240
56421	48" Cross Tee	240
56419	24" Cross Tee	120
7800	7/8" Wall Angle	360

360° painted grid suspension system available in RAL colors




RAL Colors



Individual Suspension

Item No.	Description	Length	Pieces/Carton
AIRCRAFT CABLE			
AC1210	#12 Aircraft Cable	120"	1 cable/ctn
AC1215	#12 Aircraft Cable	180"	1 cable/ctn
AC1220	#12 Aircraft Cable	240"	1 cable/ctn
ACHC	Height Adjustable Hardware		1 pc/ctn
STANDARD WIRE			
7891	12 Gauge Soft Hanger Wire	144"	140 pcs/ctn

ACCESSORIES

Item No.	Description	Pieces/Carton
 BERCC2	Beam End Retaining Clip	200 pcs/ctn

PHYSICAL DATA

Material

2" thick fiberglass with DuraBrite® scrim on face and sides.

Surface Finish

DuraBrite with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Top of panel is unfinished with embedded hanging clips.

Fire Performance

SoundScapes Blades panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

SoundScapes Blades, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Acoustical Performance

1.38 Sabins per square foot or 64% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Color Blades have slightly reduced acoustical performance.

Design Considerations

SoundScapes Blades maintain a natural bow that may be noticeable when installed 2" or less apart. Deflection up to 1/8" has been documented in some cases.

Special care in installation and handling must be taken with color blades to avoid surface damage to the paint finish. Custom colors are available with a Sherwin-Williams® color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

Seismic Restraint*

Refer to ASCE 7-10 for seismic requirements.

Recommended Suspension Systems

SoundScapes Blades are pre-assembled with metal hanging clips in the top of the panels. See Installation Instructions BPLA-297844 for installation details.

Warranty

Warranty details at armstrong.com/warranty

Panels/Carton

4

Panel Weight

1.00 lbs/SF

Minimum Order Quantity

1 carton



SOUNDSOAK® Baffles

Acoustical Absorbers



Soundsoak Baffles 24" x 48" with Eye Hooks and Square Edges in FR-701 Silver Papier, Blue Plum, and Deep Burgundy fabrics; Custom Soundsoak Walls in Silver Papier

KEY SELECTION ATTRIBUTES

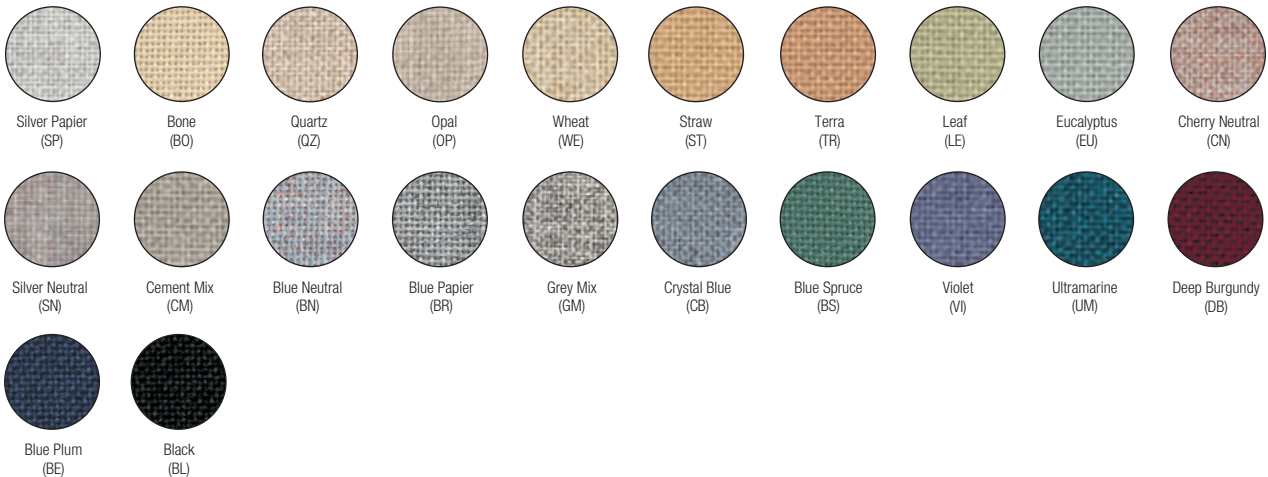
- Soundsoak with BioAcoustic core has a 44% rapidly renewable substrate made from jute, a plant that grows from seed to harvest in 100 days, and can contribute to LEED® credits (Rapidly Renewable and Acoustics)
- 100% post-consumer woven fabrics coordinate with Soundsoak Walls and Diffusers
- On average, one baffle per 40 square feet, or 20% coverage, reduces reverberation time by approximately 50%
- Seismic approved
- Easy to install with sleek, adjustable aircraft cable hanging kit



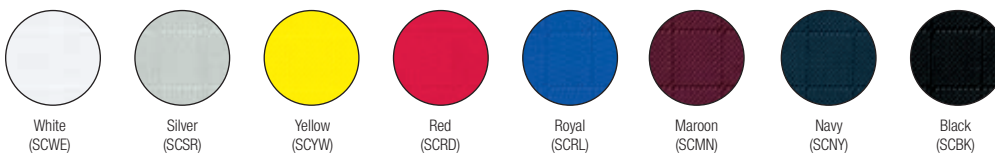
Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: soundsoak baffles

WOVEN FABRIC – BioAcoustic & Fiberglass Cores



SAILCLOTH FABRIC – Fiberglass Core Only



Additional colors, sizes, and edge details available as custom options; contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4

SOUNDSOAK® Baffles

Acoustical Absorbers

52% RECYCLED CONTENT

LEED®

- acoustics ✓
- energy ✓
- daylight & views ✓
- indoor air quality ✓
- renewable materials ✓
- recycled content ✓
- waste mgmt ✓
- local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Item Number*	Description	Dimensions Nominal W x L x H	Mounting	Fire Rating
SOUNDSOAK Baffles				Composite
6605 __	Fabric-wrapped Square Edge with Fiberglass core	24" x 48" x 2"	Eye Hooks	Class A
6606 __	Fabric-wrapped Square Edge with BioAcoustic core	24" x 47-1/2" x 1-1/4"	Grommets	Class A
6607 _ _ _	Sailcloth Nylon Stitched Sealed Edge with Fiberglass core	24" x 48" x 1-1/2"	Grommets	Class A

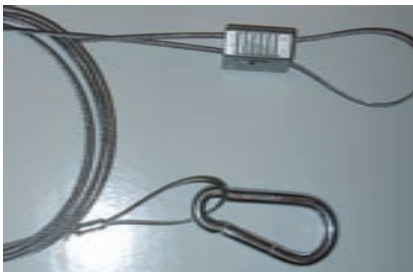
*When specifying or ordering, include 2- or 4-letter color suffix.

ACCESSORIES

Item Number*	Description	Dimensions Nominal W x L x H
5670	Baffle Hanging Kit (2 cables, 2 carabiners, and 2 adjusters)	1/16" x 96" (cable)

INSTALLATION OPTIONS

Hanging Kit



Eye Hook Mounting



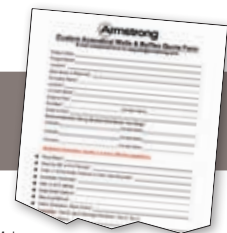
Grommet Mounting



CUSTOM SOUNDSOAK BAFFLES

- Edge detail (square, beveled, radiused, mitered, stitched)
- Sizes up to 48" x 96" for fiberglass core; for custom BioAcoustic panels, contact the Architectural Specialties project management team at 1 877 ARMSTRONG, select options 1-1-4
- Thickness 1" to 2"
- Customer-specific fabrics can be considered from manufacturers like:
 - Guilford of Maine™: www.guilfordofmaine.com
 - Maharam®: www.maharam.com
 - Designtex®: www.designtex.com
 - Carnegie: www.carnegiefabrics.com
 - Knoll®: www.knolltextiles.com
 - Hytex®: www.hytex.com

Use our online Custom Selection Form at armstrong.com/baffles, and we will create baffles to your specifications.



Hytex is a trademark of Hytex Industries
 Guilford of Maine is a registered trademark of Guilford of Maine
 Maharam is a registered trademark of Maharam Fabric Corporation
 Designtex is a registered trademark of Steelcase Corporation
 Knoll is a registered trademark of Knoll, Inc.

COLORS

Woven Fabric

Silver Papier (SP)	Wheat (WE)	Eucalyptus (EU)
Bone (BO)	Straw (ST)	Cherry Neutral (CN)
Quartz (QZ)	Terra (TR)	Silver Neutral (SN)
Opal (OP)	Leaf (LE)	Cement Mix (CM)

Blue Neutral (BN)	Blue Spruce (BS)	Blue Plum (BE)
Blue Papier (BR)	Violet (VI)	Black (BL)
Grey Mix (GM)	Ultramarine (UM)	
Crystal Blue (CB)	Deep Burgundy (DB)	

SailCloth Fabric

White (SCWE)	Red (SCRD)	Black (SCBK)
Silver (SCSR)	Royal (SCRL)	
Yellow (SCYW)	Maroon (SCMN)	
	Navy (SCNY)	

PHYSICAL DATA

Material

Rigid fiberglass core or BioAcoustic core

Surface Finish

Nylon or fabric

Fire Performance

6605 - Tested in accordance with ASTM E84 – 25/200; Composite Class A rating per IBC (fabric, substrate, etc.); Tested to CAN/ULC S102 – 25/250

6606 - Tested in accordance with ASTM E84 – 25/200. Composite Class A rating per IBC (fabric, substrate, etc.)

6607 - Tested in accordance with ASTM E84 – 25/200. Composite Class A rating per IBC (fabric, substrate, etc.)

Soundsoak Baffles, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and

installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Acoustical Performance

6605 – 1.8 Sabins per square foot
 6606 – 1.14 Sabins per square foot
 6607 – 1.19 Sabins per square foot

Installation Consideration

Cutting baffles is not recommended. Do not attach carabiner to BioAcoustic baffle grommet.

Seismic Restraint

Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage: The functional and physical interrelationship of components, their supports, and their effect on each other shall

be considered so that the failure of an essential or non-essential architectural, mechanical, or electrical component shall not cause the failure of an essential architectural, mechanical, or electrical component. Item #3: The connection to the structure shall allow for a 360° range of motion in the horizontal plane.

Warranty

Warranty details at armstrong.com/warranty

Weight/Square Feet

Bulk packaged per order
 6605 – 14 lbs. per Baffle
 6606 – 7 lbs. per Baffle
 6607 – 10 lbs. per Baffle



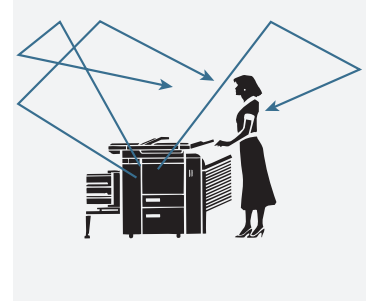
HOW METALWORKS™ CEILINGS COMBINE BEAUTIFUL DESIGN WITH GREAT ACOUSTICS

NRC

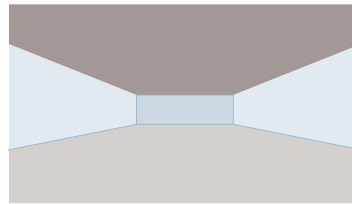
Noise Reduction Coefficient (NRC)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC <50 is considered low, whereas one with NRC >70 is considered high performance.

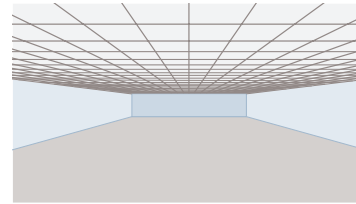
NRC is important in any closed space where reverberation time and noise levels are an issue.



Exposed Structure



Continuous Ceiling



OPEN PLAN BUILDING

5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet

Ceiling	No Treatment (0% Coverage)	Continuous MetalWorks Ceiling with M2 Microperforated panels, fleece and acoustical infill	Continuous MetalWorks Ceiling with M3 Extra Microperforated panels and acoustical infill
	Exposed Structure	Suspended 60" Below Deck	Suspended 60" Below Deck
NRC	0	0.90	0.70
Reverberation Time (RT)	3.4 sec	0.5 sec	0.6 sec
RT Improvement	ref	86%	84%
SPL Reduction (dB)	ref	-6.0	-5.0

For definitions of acoustical terms, see page 333 in this catalog.

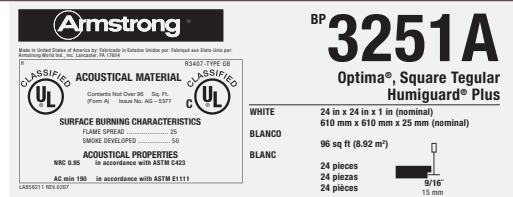
Be Sure You Get the Acoustic Values You Specify

UL Classified Acoustics Since 1998

Armstrong carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.



This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

metalworks snap-in

MetalWorks® Snap-in 20" x 60" panels in Silverlume on Prelude® XL® 15/16" suspension system in Black Irving Convention Center at Las Colinas, Las Colinas, TX RMJM, New York, NY



METALWORKS™ Standard Ceilings

At-a-Glance

STANDARD CEILINGS



MetalWorks Clip-on pg. 74A-74B



MetalWorks Torsion Spring pg. 75-76B



MetalWorks Concealed pg. 77-78



MetalWorks Snap-in pg. 79-80



MetalWorks Tegular pgs. 81-82



MetalWorks Vector® for Interior & Exterior Applications pgs. 83-84



MetalWorks Linear for Interior & Exterior Applications pgs. 85-87



MetalWorks Open Cell pg. 88



MetalWorks Mesh™ pgs. 89-90



MetalWorks SecureLock™ pgs. 91-92



MetalWorks 3D pg. 93



MetalWorks Tin pg. 94-96



Serpentina Waves pgs. 45-48
Featured in Clouds & Canopies



MetalWorks Canopies pg. 39
Featured in Clouds & Canopies



MetalWorks Wings pg. 40
Featured in Clouds & Canopies



MetalWorks Capz™ pgs. 31-32
Featured in Clouds & Canopies



Serpentina Vault pgs. 43-44
Featured in Clouds & Canopies



COLORS AND PERFORATIONS

For more colors and perforations, see pgs. 69-74. Perforations shown at actual 1:2 scale.

White (WH)	Silver Grey (SG)	Gun Metal Grey (MY)	Effects™ Maple (FXMP)	Effects Cherry (FXCH)	Effects Dark Cherry (FXDC)	Effects Walnut (FXWN)	Tech Black (BL)	Nickel Chrome (NC)	Bright Anodized (BA)	Natural Anodized (NA)	Copper (CP)	Bronze (BZ)
M2	M3	M10	M14	M15	M16	M17	M18	M19	M21	M22	M23	

METALWORKS™ Custom Ceilings

At-a-Glance

CUSTOM CEILINGS



MetalWorks TorsionSpan pg. 96A-96C



MetalWorks RH200 pg. 98
Flat & Curved Systems



MetalWorks pg. 99
Tartan Systems



MetalWorks pgs. 89-90
SecureLock™ Plus



MetalWorks Torsion Spring pg. 97
Flat & Curved Systems



MetalWorks RH200 pg. 98
for Interior & Exterior Applications



MetalWorks pg. 100
Radial Systems



MetalWorks
Premium Options



MetalWorks DH700 pg. 97
Flat & Faceted Systems



MetalWorks pg. 99
Fastrack Systems



MetalWorks pg. 100
RH215 Flat & Faceted Systems



Serpentina Classic pgs. 41-42
Featured in Clouds & Canopies



ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics

Acoustical options available



NRC Product has NRC (Noise Reduction Coefficient) 0.70 or greater



CAC Product has CAC (Ceiling Attenuation Class) of 38 or higher



Fire Performance Class A

High Light Reflectance

Light reflectance of 0.83 or greater



Humidity/Sag Resistance HumiGuard® Max

Acceptable for exterior applications



HumiGuard Plus

Inherently does not sag due to humidity



Seismic

Category D, E & F



High Durability

Water Repellent

Inherently does not absorb water



Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per modified ASTM D2486



Scrubability

Withstands up to 150 scrub cycles using a scrubability tester as per modified ASTM D2486



Impact Resistance

Excellent resistance to surface impact as per Falling Ball Test



Soil Resistance

Inherently does not absorb dirt and/or grease for lasting value and performance



Plenum Access

Downward access for panels minimizes panel damage



Color Availability

Available in color



DIGITAL SAMPLES ONLINE



Online tool that allows you to visually create MetalWorks and WoodWorks® ceiling and wall swatches – color, perforation, and pattern – watch as your swatch comes to life!



















armstrong.com/swatchit



METALWORKS™ Standard Ceilings

Standard Finishes


















STEEL PANELS Not all finishes available on all perforations. Consult product page or your Armstrong representative for more information.

	Clip-on	Torsion Spring	Concealed	Snap-In	Tegular	Vector®	Linear	Plank	Mesh™	SecureLock™	3D	Tin	TorsionSpan
 White (WH)			✓		✓	✓	✓	✓		✓			
 Silver Grey (SG)			✓		✓	✓	✓	✓		✓			
 Gun Metal Grey (MY)			✓		✓	✓	✓			✓			
 Effects™ Maple (FXMP)					✓	✓	✓						
 Effects Cherry (FXCH)					✓	✓	✓						
 Effects Dark Cherry (FXDC)					✓	✓	✓						
 Effects Walnut (FXWN)					✓	✓	✓						
 Tech Black (BL)									✓				
 Nickel Chrome (NC)									✓				
 Bright Anodized (BA)									✓				
 Natural Anodized (NA)									✓				
 Copper (CP)									✓				
 Bronze (BZ)									✓				
 Tin White (TWH)												✓	
 Tin Chrome (TAM)												✓	
 Tin Bare Steel (TNA)												✓	
 Tin Lacquered Steel (TLS)												✓	
 Tin Copper (TCP)												✓	

METALWORKS™ Standard Ceilings

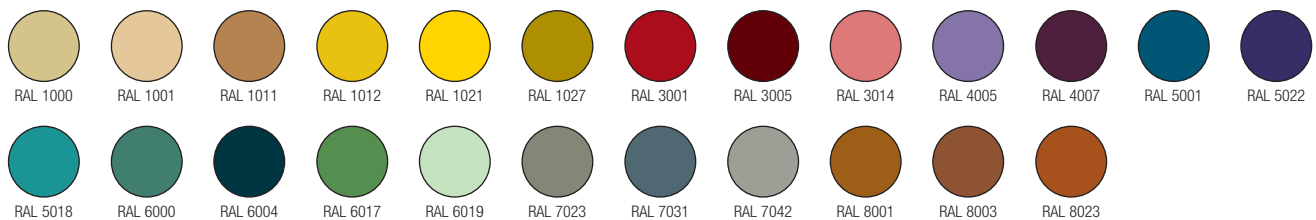
Standard Finishes

ALUMINUM PANELS

	Clip-on	Torsion Spring	Concealed	Snap-In	Tegular	Vector®	Linear	Plank	Mesh™	SecureLock™	3D	Tin	TorsionSpan
 Whitelume (WHA)	✓	✓		✓							✓		✓
 Silverlume (SIA)	✓	✓		✓							✓		✓
 Gun Metal (MYA)	✓	✓		✓							✓		✓
 Satin Anodized (SAA)	✓	✓		✓									✓
 Lacquer Mill (LMA)	✓	✓		✓									✓
 Brushalume (BAA)	✓	✓		✓									✓
 Reflections™ Rock Maple (LRM)		✓		✓							✓		
 Reflections Light Cherry (LLC)		✓		✓							✓		
 Reflections Wild Cherry (LWC)		✓		✓							✓		
 Reflections Arctic Maple LAM)													
 Reflections Arctic Maple LAM)													✓
 Reflections Natural Maple (LNMPIE)													✓
 Reflections Natural Oak (LNOIE)													✓
 Reflections Pecan (LPC)													✓
 Reflections Mineral Forest (LMF)													✓
 Reflections Walnut (LWN)													✓
 Ceiltex (CLA)		✓											

CUSTOM COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Custom RAL Colors (partial list)

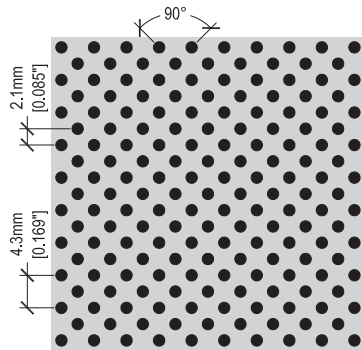


Refer to BPCS-3957 for a sampling of Custom RAL colors. Contact Armstrong Architectural Specialties at 877 ARMSTRONG, select options 1-1-4 for custom color matching requests.

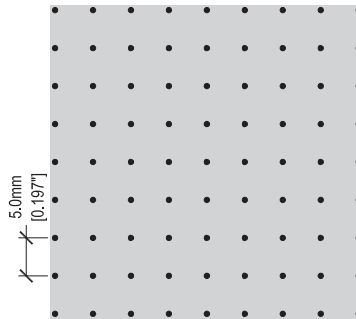
METALWORKS™

Standard Perforations

STANDARD PERFORATIONS Actual 1:1 scale shown unless otherwise noted.

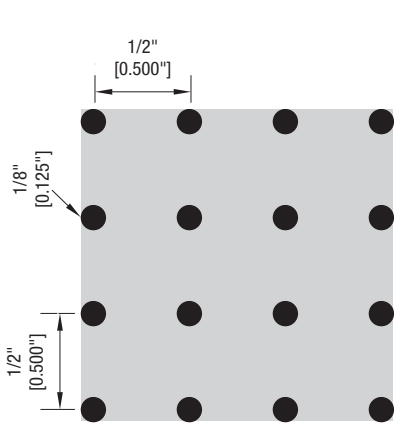


M2 Microperforated Type: Round-Diagonal
Hole Size: 1.5mm [.059"]
% Open Area: 18.4%

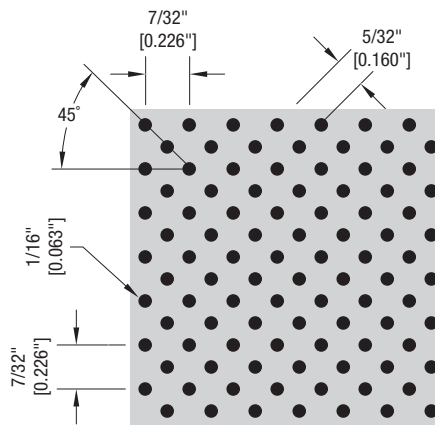


M3 Extra Microperforated Rg 0701 Type: Round-Straight
Hole Size: 0.7mm [.028"]
% Open Area: 1.5%

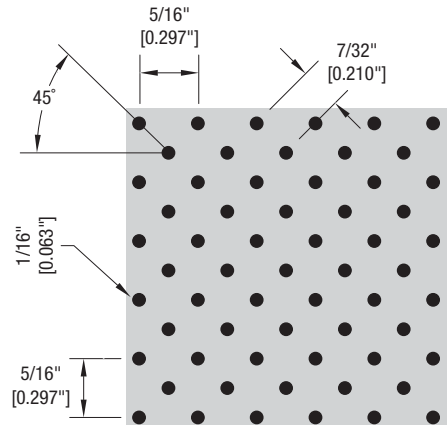
See pages 73–74 for premium perforations. Not all perforations available on all products. Contact Architectural Specialties for additional information and custom perforation options.



M14 Rg 3205 Type: Round-Straight
Hole Size: 3.18mm [.125"]
% Open Area: 5%

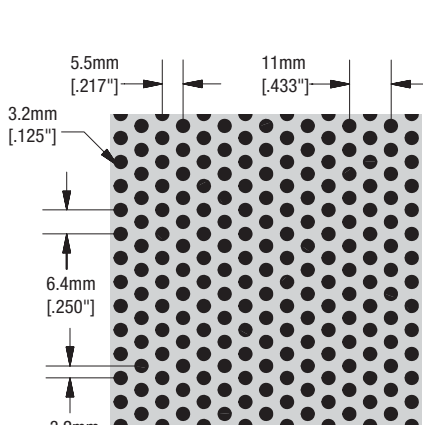


M15* Rd 1612 Type: Round-Diagonal
Hole Size: 1.6mm [.063"]
% Open Area: 12%

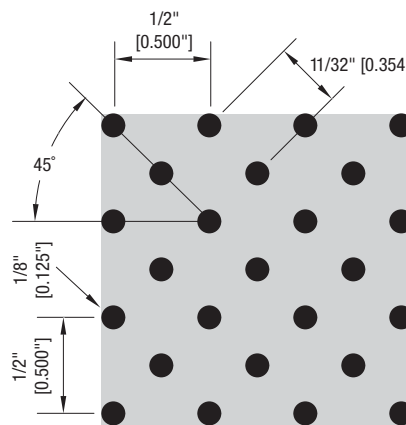


M16 Rd 1607 Type: Round-Diagonal
Hole Size: 1.6mm [.063"]
% Open Area: 7%

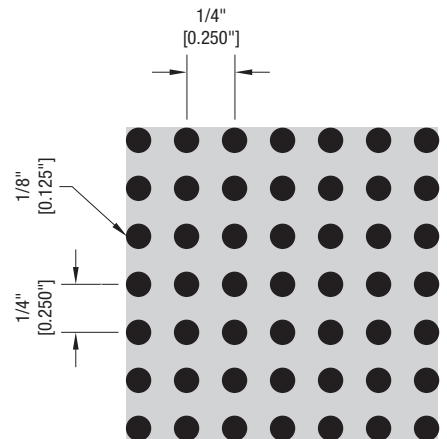
* M20 designation is this perforation with Ceiltext finish applied on top. Standard on MetalWorks Torsion Spring only.



M17 Rd 3223 Type: Round-Diagonal
Hole Size: 3.2mm [.125"]
% Open Area: 23%



M18 Rd 3210 Type: Round-Diagonal
Hole Size: 3.2mm [.125"]
% Open Area: 10%



M19 Rg 3220 Type: Round-Straight
Hole Size: 3.2mm [.125"]
% Open Area: 20%

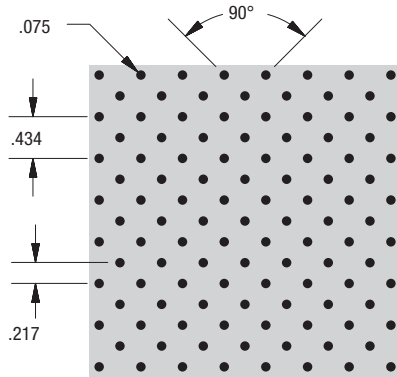
METALWORKS™

Standard Perforations

Key for Perforation Names (Example – Rg 0701)

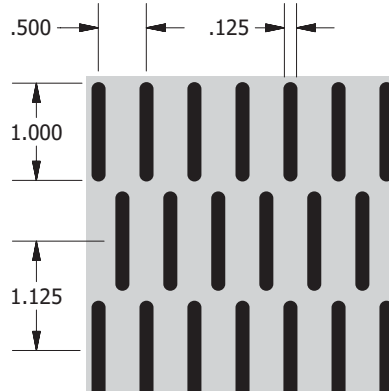
R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
07	Diameter of hole size in mm (Example – 0.7 mm)
01	% open area

STANDARD PERFORATIONS Actual 1:1 scale shown unless otherwise noted.



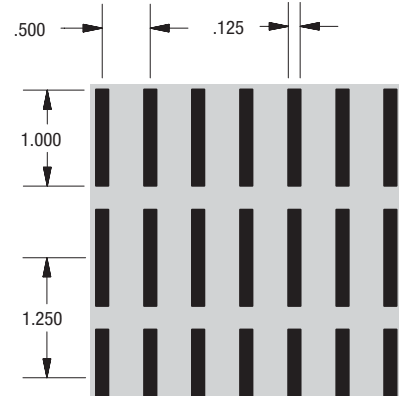
M21 Rd 1908 (Scale 1:2)
Type: Round-Diagonal
Hole Size: 1.9mm [.075"]
% Open Area: 8%

Standard on PureWood™ only.



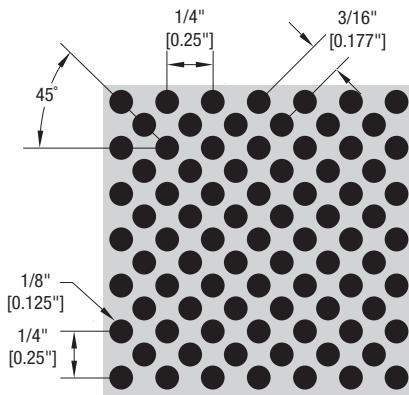
M22 Lv 25422 (Scale 1:2)
Type: Oval-Staggered
Hole Size: 3.175 x 25.4mm [.125 x 1"]
% Open Area: 22%

Standard on PureWood only. Available as a premium on aluminum.



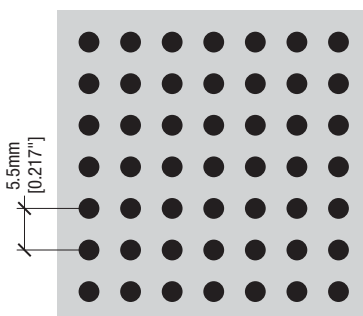
M23 Lg 25420 (Scale 1:2)
Type: Rectangle-Straight
Hole Size: 3.175 x 25.4mm [.125 x 1"]
% Open Area: 20%

Standard on PureWood only. Available as a premium on aluminum.

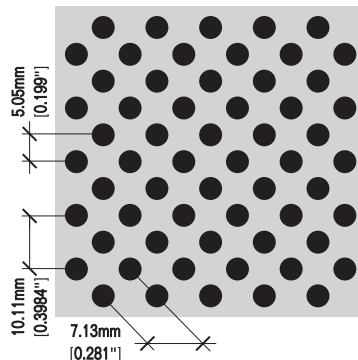


M24 Rd 3239
Type: Round-Diagonal
Hole Size: 3.2mm [.125"]
% Open Area: 39%

Standard on PureWood only. Available as a premium on aluminum.



M10 Capz™ Concealed
Type: Round-Straight
Hole Size: 2.5mm x 2.5mm [.098 x .098"]
% Open Area: 13.6%

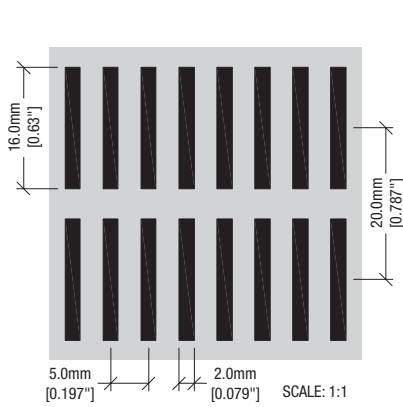


P4 SecureLock™ Microperforated
Type: Round-Diagonal
Hole Size: 2.76mm [.109"]
% Open Area: 23.5%

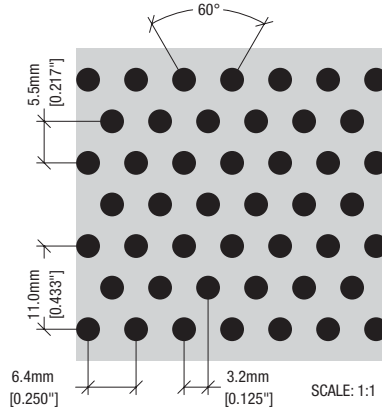
METALWORKS™

Premium Perforations

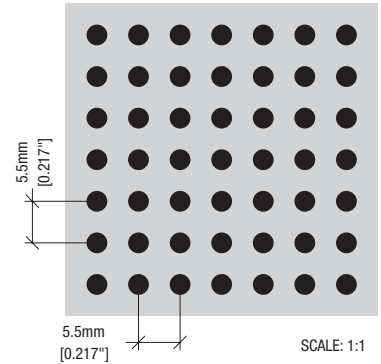
AVAILABLE ON STEEL



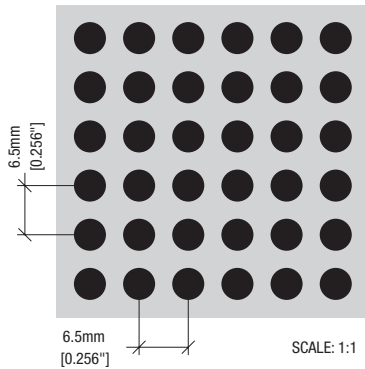
M5 Lg 16032 | Type: Square-Straight Slotted
 Hole Size: 2.0mm [0.079"]
 % Open Area: 32.0%



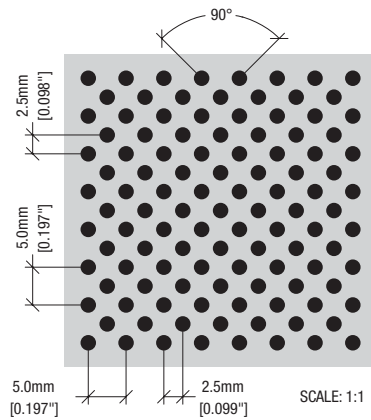
M9 | Type: Round-Staggered
 Hole Size: 2.9mm [0.114"]
 % Open Area: 24.4%



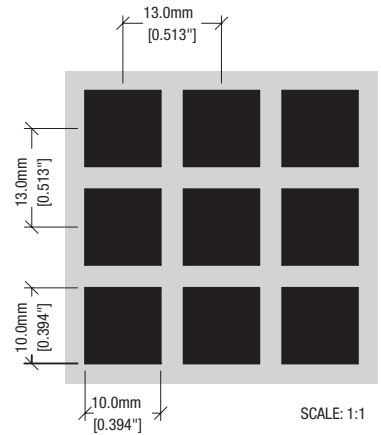
M10 | Type: Round-Straight
 Hole Size: 2.5mm [0.098"]
 % Open Area: 13.6%



M11 | Type: Round-Straight
 Hole Size: 4.1mm [0.157"]
 % Open Area: 26.9%



M12 | Type: Round-Diagonal
 Hole Size: 1.8mm [0.071"]
 % Open Area: 20.8%



M13 | Type: Square-Straight
 Hole Size: 10 x 10mm [0.394 x 0.394"]
 % Open Area: 59.2%

CUSTOM STEEL PERFORATIONS

Over 30 custom perforations are available on our steel and aluminum panels. See armstrong.com/metalworksp perforations for more details. Contact Architectural Specialties for your project at 1 877 ARMSTRONG, select options 1-1-4.

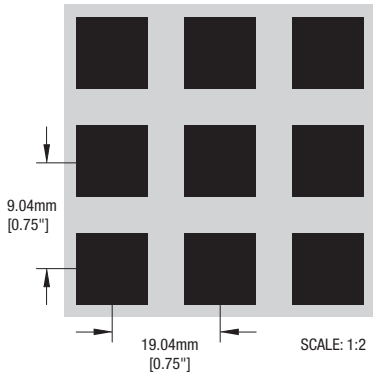
METALWORKS™

Custom Perforations

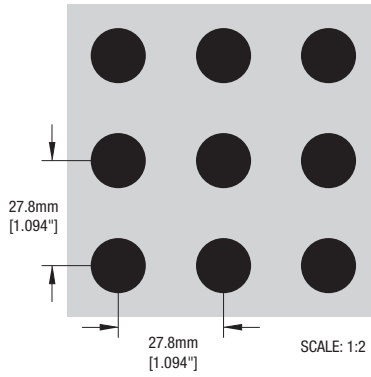
AVAILABLE ON ALUMINUM

Key for Perforation Names (Example – Rg 0701)

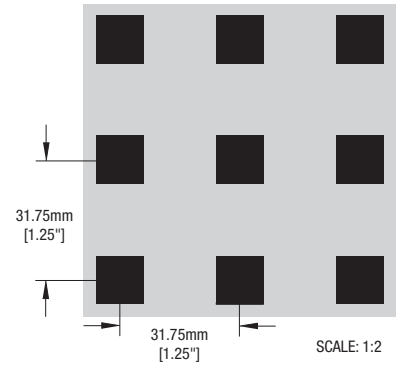
R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
07	Diameter of hole size in mm (Example – 0.7 mm)
01	% open area



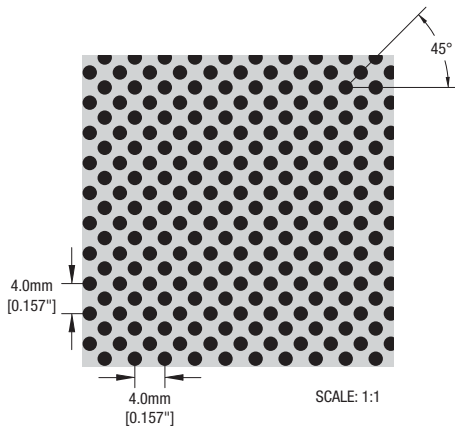
M25
Qg 1945 | Type: Square-Straight
Hole Size: 19.04 x 19.04mm
[.075 x .075"]
% Open Area: 45%



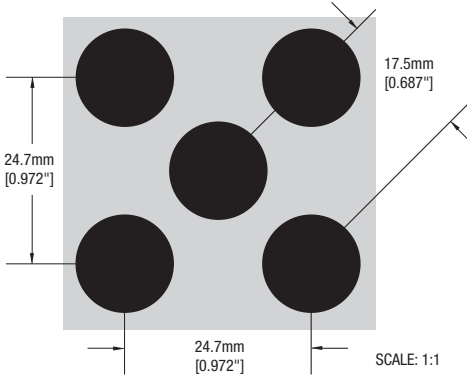
M26
Lg 1421 | Type: Round-Straight
Hole Size: 14.24mm [.056"]
% Open Area: 21%



M27
Qg 1216 | Type: Square-Straight
Hole Size: 12.7 x 12.7mm
[.50 x .50"]
% Open Area: 16%



M28
Rd 1625 | Type: Round-Diagonal
Hole Size: 1.6mm [.0625"]
% Open Area: 25%



M29
Rd 1242 | Type: Round-Diagonal
Hole Size: 12.7mm [.500"]
% Open Area: 42%



METALWORKS™ Clip-on

Flat Ceiling System

smooth texture



MetalWorks Clip-on in Silverlume on Prelude® 15/16" suspension system

- Great for renovations - transform spaces with existing 15/16" suspension quickly and easily
- Choose from butt joint, 1/4", or 1/8" panel reveals
- 24" x 24" and 24" x 48" standard sizes; custom sizes available up to 24" x 48"
- Fixture frames provide a clean finished look
- Downward accessible
- Seismic tested and approved
- NRC values up to 0.90 with fiberglass infill panels

cloud friendly

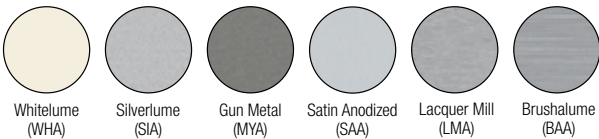
Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks clip-on

COLOR SELECTION

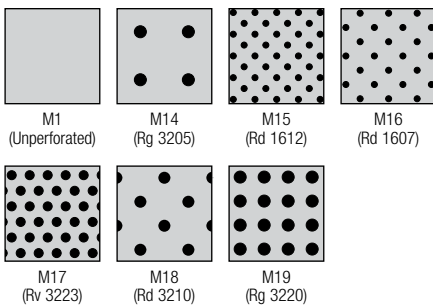
Due to printing limitations, shade may vary from actual product.

MetalWorks

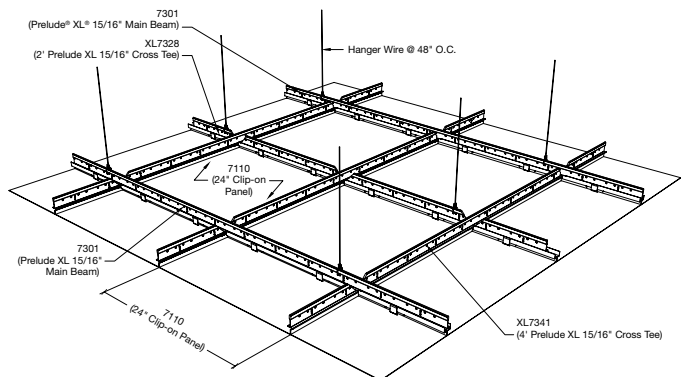


PERFORATION OPTIONS

(1:2 scale shown)



INTERIOR INSTALLATION DETAILS



Additional sizes, colors, and perforations may be available. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.



METALWORKS™ Clip-on

Flat Ceiling System smooth texture

UP TO **25%** RECYCLED CONTENT

LEED®

- acoustics
- energy*
- daylight & views*
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

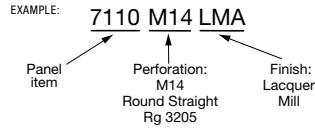
*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item Number*	Dimensions (Inches)	Light Reflect
METALWORKS Clip-on			
Butt Joint	7110 _ _ _ _ _	24 x 24"	0.77
	7111 _ _ _ _ _	24 x 48"	0.77
1/8" Reveal	7140 _ _ _ _ _	24 x 24"	0.77
	7141 _ _ _ _ _	24 x 48"	0.77
1/4" Reveal	7154 _ _ _ _ _	24 x 24"	0.77
	7155 _ _ _ _ _	24 x 48"	0.77

* When specifying or ordering, include appropriate perforation and color suffix (e.g., 7110 M 1 L M A) with item number. Light reflectance is for unperforated Whitelume.



ACOUSTICAL INFORMATION

 Dots represent high level of performance

Perforation	NRC with acoustical fleece**	NRC with 1" fiberglass infill**
	NRC	NRC
M1	-	-
M14	0.55	0.85
M15	0.70	0.90
M16	0.70	0.80
M17	0.75	0.90
M18	0.65	0.85
M19	0.75	0.90

** Maximum NRC achieved with acoustical infill (item 8200100).

SUSPENSION SYSTEMS

15/16"



ACCESSORIES

Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
7112 _ _ _ ♦	Box Molding	1 x 96 x 1"	WHA, SIA, MYA, SAA, LMA, BAA	10
7113 _ _ _ ♦	Spreader Hold Down	1 x 10-5/8 x 1"	N/A	40
7119 _ _ _ ♦	Fixture Frame	24 x 24"	WHA, SIA, MYA, SAA, LMA, BAA	1
7120 _ _ _ ♦	Fixture Frame	24 x 48"	WHA, SIA, MYA, SAA, LMA, BAA	1
7223 _ _ _ ♦	Perimeter Trim	1 x 96 x 4-1/4"	WH, SG, MY, BAA, SAA, LMA	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12

♦ When specifying or ordering, include appropriate color suffix (e.g., 7122 S 1 A) with item number.

COLORS AND PERFORATIONS

Whitelume (WHA)	Satin Anodized (SAA)	M1 (Unperforated)	M17 (Rv 3223)
Silverlume (SIA)	Lacquer Mill (LMA)	M14 (Rg 3205)	M18 (Rd 3210)
Gun Metal (MYA)	Brushlume (BAA)	M15 (Rd 1612)	M19 (Rg 3220)
		M16 (Rd 1607)	

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Painted finishes: Factory-applied polyester paint

Fire Performance
Painted aluminum finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Painted Aluminum finishes CAN/ULC S102 surface burning characteristics: Flame Spread Rating 0. Smoke Developed Classification 0.

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content
Up to 25%.

Installation Considerations
Ensure suspension is level and square, whether using existing or new suspension

Design Considerations
Panel face sits 1" lower than the suspension system. Some light, sprinklers, and other components may need to be height adjusted when retrofitting.

Panels have a directional finish; follow direction arrows printed on the protective film.

Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.

Butt joint panels are recommended if the suspension system is not coordinated with the panel color.

MetalWorks steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

Seismic
MetalWorks Clip-on has been engineered, tested and approved for application in all seismic areas.

Design Support
Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Warranty
One (1) Year Limited Warranty.
Details: armstrong.com/warranty

Weight; Square Feet/Carton
0.75 lbs/SF

TechLineSM / 1 877 ARMSTRONG
armstrong.com/metalworks
(search: clip-on)
BPCS-4788-514

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Printed in the United States of America



74B

METALWORKS™ Torsion Spring METALWORKS Torsion Spring Exterior

Flat Ceiling System

smooth texture



MetalWorks Torsion Spring panels in varied sizes in Silverlume with Prelude® 15/16" suspension system

KEY SELECTION ATTRIBUTES

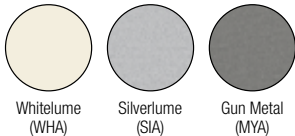
- Monolithic visual with 100% downward accessibility
- Choose from five standard panel sizes that install on pre-slotted standard 15/16" suspension system
- Interior panels feature swing down accessibility
- For exterior applications, choose from two standard panel sizes that install on 15/16" G90 suspension system
- Ceiltex finish is applied over the perforation to offer excellent acoustics and high light reflectance with the look of drywall
- Reflections™ laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)



COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

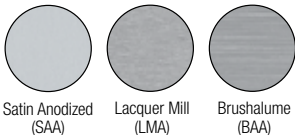
MetalWorks Interior and Exterior



Reflections Laminate Finishes Interior and Exterior



MetalWorks Interior Only



Reflections Laminate Finishes Interior Only



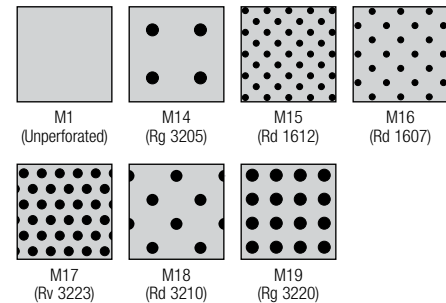
Ceiltex Interior Only



* Available in M20 perforation only. M20 is the M15 perforation covered with Ceiltex finish.

PERFORATION OPTIONS (1:2 scale shown)

Painted and Laminate Perforations



Additional sizes, laminates, colors, and perforations available. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.

Pictured on cover: MetalWorks Torsion Spring 24" x 24" panels with M15 perforation in Silverlume with Prelude 15/16" suspension system; Corporate Headquarters, Wayne, NJ

METALWORKS™ Torsion Spring METALWORKS Torsion Spring Exterior

Flat Ceiling System

smooth texture

UP TO **98%** RECYCLED CONTENT

LEED®


- ✓
local**
materials
- ✓
waste
mgmt
- ✓
recycled
content
- ✓
renewable
materials
- ✓
indoor air
quality
- ✓
daylight
& views*
- ✓
energy*
- ✓
acoustics

Calculate LEED contribution at armstrong.com/greengenie

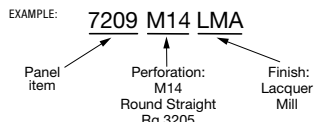
*CELTIX FINISH
**LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Edge Profile	Item Number*	Dimensions (Inches)	Light Reflect	Springs per Panel
METALWORKS Torsion Spring Square with Acoustical Fleece				
Torsion Spring Square 15/16"	7209 _ _ _ _ _	24 x 24"	0.77 0.89*	4
	7210 _ _ _ _ _	24 x 48"	0.77 0.89*	4
	7211 _ _ _ _ _	24 x 72"	0.77 0.89*	6
	7212 _ _ _ _ _	24 x 96"	0.77 0.89*	6
	7213 _ _ _ _ _	30 x 30"	0.77 0.89*	4
Exterior Panels				
	7225 _ _ _ _ _	24 x 24"	0.77** 0.61***	4
	7226 _ _ _ _ _	24 x 48"	0.77** 0.61***	4

- ♦ When specifying or ordering, include appropriate perforation and color suffix (e.g., 7209 M 1 4 L M A) with item number. Light reflectance is for unperforated Whitelume. For Ceiltex, specify M20 perforation.
- * Ceiltex light reflectance
- ** Unperforated Whitelume light reflectance
- *** Perforated Whitelume light reflectance



ACOUSTICAL INFORMATION

Dots represent high level of performance

Perforation	NRC with acoustical fleece**	NRC with 1" fiberglass infill panel**
M1†	–	–
M14†	0.55	0.85
M15†	0.70	0.90
M16†	0.70	0.80
M17†	0.75	0.90
M18†	0.65	0.85
M19†	0.75	0.90
M20 (Ceiltex only)	0.70	0.90

- ** Maximum NRC achieved with acoustical infill (item 8200100 or 5823). For additional infill options, refer to the Acoustical Infill data page (CS-4172).
- † Available for exterior applications

ACCESSORIES

Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
7125 _ _ _ ♦	Box Molding (for Laminates, Black is recommended)	2 x 96 x 1.5"	WHA, SIA, MYA, SAA, LMA, BAA, BL	10
7147 _ _ _ ♦	Torsion Spring Perimeter Trim (Extruded)	1 x 120 x 4"	WH, SG, MY, BL	6
7131 _ _ _ ♦	Torsion Spring Perimeter Trim (Formed)	1 x 96 x 4.25"	LMA, BAA, SAA	10
7126	Spreader Hold Down	1 x 10-5/8 x 1-1/2"	N/A	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12
7129	Torsion Spring Hook Access Tool	N/A	N/A	1
7130	Torsion Spring Suction Access Tool	N/A	N/A	1

- ♦ When specifying or ordering, include appropriate color suffix (e.g., 7125 BL) with item number.

COLORS AND PERFORATIONS

Interior and Exterior	Interior Only	Perforations		
Whitelume (WHA)	Satin Anodized (SAA)	Light Cherry (LLC)	M1 (Unperforated)	M17 (Rv 3223)
Silverlume (SIA)	Lacquer Mill (LMA)	Pecan (LPC)	M14 (Rg 3205)	M18 (Rd 3210)
Gun Metal (MYA)	Brushalume (BAA)	Wild Cherry (LWC)	M15 (Rd 1612)	M19 (Rg 3220)
Natural Maple (LNMPIE)	Ceiltex (CLA)	Mineral Forest (LMF)	M16 (Rd 1607)	M20 (hidden, Ceiltex only)
Natural Oak (LNOIE)	Arctic Maple (LAM)	Walnut (LWN)		
	Rock Maple (LRM)			

SUSPENSION SYSTEMS

Item Number	Description	Dimensions (Inches)
15/16" Prelude® XL® – Some items slotted for Torsion Spring. See below.		
7301TS	Prelude 12' HD Main Beam – slotted for Torsion Spring	144 x 15/16 x 1-11/16"
XL7341TS	Prelude 4' Cross Tee – slotted for Torsion Spring	48 x 15/16 x 1-11/16"
XL7390TS	Prelude 6' Cross Tee – slotted for Torsion Spring	72 x 15/16 x 1-11/16"
XL7378	Prelude 30" Cross Tee	30 x 15/16 x 1-11/16"
XL7328	Prelude 2' Cross Tee	24 x 15/16 x 1-11/16"
XL7341	Prelude 4' Cross Tee	48 x 15/16 x 1-11/16"

Exterior Suspension System

15/16" Prelude XL – Some items slotted for Torsion Spring. See below.		
7301G90ATS	Prelude 12' HD Exterior Main Beam – slotted for Torsion Spring	144 x 15/16 x 1-11/16"
XL7341G90ATS	Prelude 4' Exterior Cross Tee – slotted for Torsion Spring	48 x 15/16 x 1-11/16"
XL7321G90A	Prelude 2' Exterior Cross Tee	24 x 15/16 x 1-11/16"

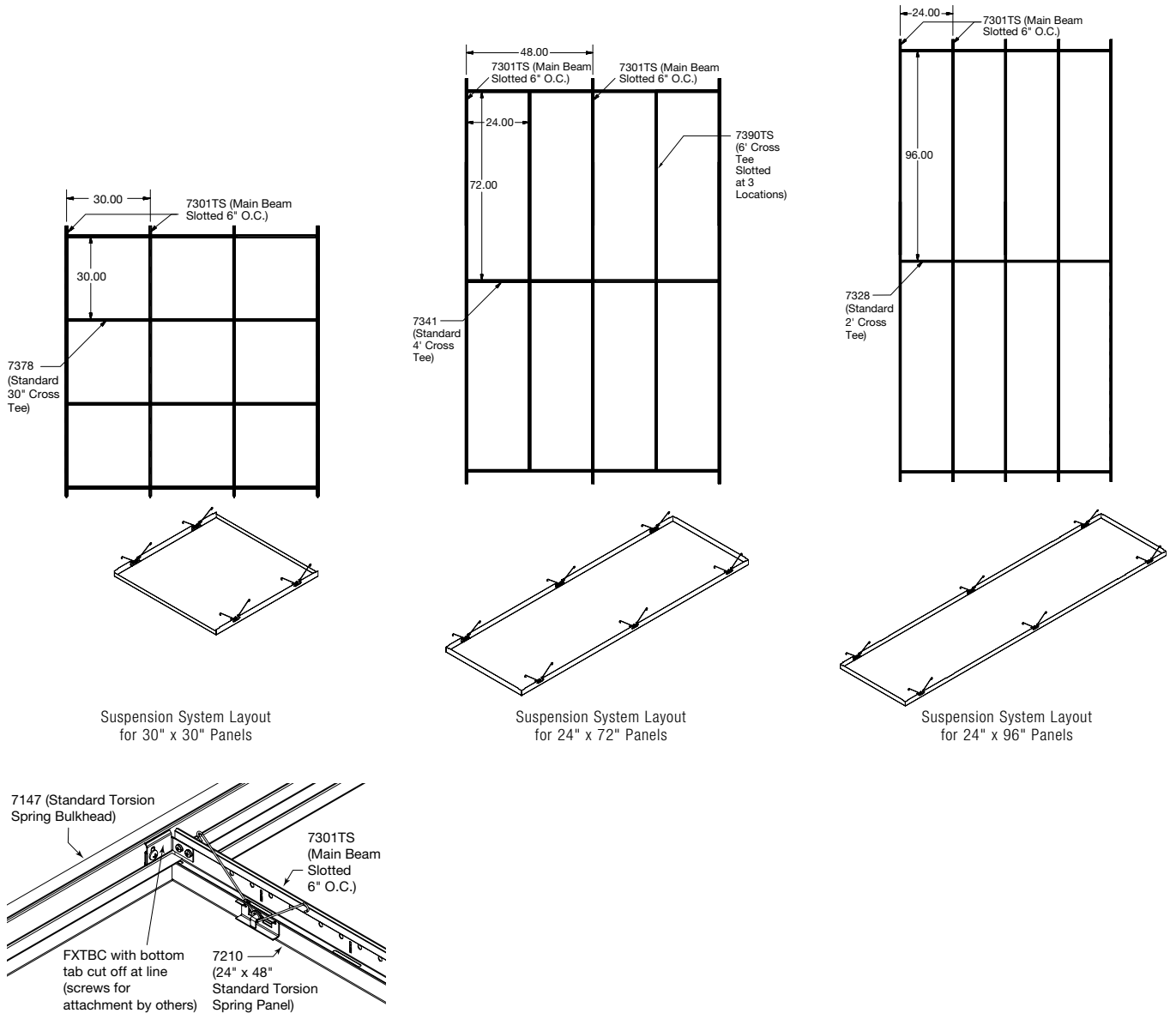


METALWORKS™ Torsion Spring METALWORKS Torsion Spring Exterior

Flat Ceiling System

smooth texture

INTERIOR INSTALLATION DETAILS



PHYSICAL DATA

Material

Aluminum – thickness 0.040"
Aluminum – thickness 0.050" (item 7226 only)

Surface Finish

Reflections™ laminates: Vinyl-faced membrane

Ceiltex: Acrylic latex paint on acoustically transparent membrane

Painted finishes: Factory-applied polyester paint

Fire Performance

Painted aluminum and Ceiltex finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Painted Aluminum finishes CAN/ULC S102 surface burning characteristics: Flame Spread Rating 0. Smoke Developed Classification 0.

Laminate finish tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

Acoustical Options

Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content

Minimum 25%. Up to 98% recycled content available.

Design Consideration

Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.

30" x 30" panels have a directional finish that is perpendicular to the main beams; all other panel sizes have a directional finish that is parallel to the main beams.

MetalWorks steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

Wind Uplift Performance

24" x 24" and 24" x 48" panels noted as exterior on this document tested for wind uplift classes 30, 60, and 90. Specific installation instructions to meet these classes are available. For more information, visit armstrong.com or contact TechLine at 1 877 ARMSTRONG.

Design Support

Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Design Support

Project management a

Seismic Restraint

MetalWorks Torsion Spring has been engineered, tested, and approved for application in all seismic areas.

Weight; Square Feet

0.69 lbs/SF
0.86 lbs/SF (item 7226)



METALWORKS™ Torsion Spring
METALWORKS Torsion Spring Exterior
Concealed



METALWORKS

MetalWorks™ Torsion Spring Custom Curved Ceiling System 30" x 82" planks with Rg 2516 perforation in Cream Weave finish

METALWORKS™ Concealed™

Concealed Suspension

smooth texture



MetalWorks Concealed 48" x 96" panels in Silverlume

KEY SELECTION ATTRIBUTES

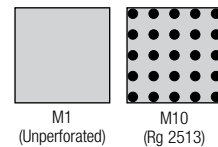
- Large size panels for a clean monolithic look
- Narrow 1/4" reveal
- Hook on panels provide safe and secure downward accessibility
- Create continuous look or clouds using perimeter trim
- Lightweight panels install on standard 15/16" Suspension System
- Seismic approved
- Complete standard system from one manufacturer



COLOR SELECTION Due to printing limitations, shade may vary from actual product.



PERFORATION OPTIONS (1:2 scale shown)



METALWORKS™ Concealed™

Concealed Suspension
smooth texture

85% RECYCLED CONTENT

LEED®

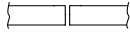
- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local materials

Calculate LEED contribution at armstrong.com/greengenie

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Perforations	Durable				
				Light Reflect	Wash	Scrub	Impact	Soil
METALWORKS Concealed				(White Only)				
1/4" Reveal	6664 _____	24 x 96 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6665 _____	24 x 120 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6666 _____	48 x 48 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6667 _____	48 x 96 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6668 _____	48 x 120 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•

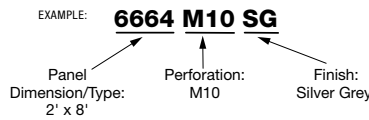
Dots represent high level of performance.

Perforation	NRC	CAC
	M1	0.10
M10	0.80 / 0.95 [†]	28

Maximum NRC and CAC achieved with acoustical infill options. For additional Infill options, refer to pgs. 101-102.

[†] With BioAcoustic infill item 5479. NRC of 0.90 with fiberglass infill 8200100.

* When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7209 M 1 L M A).



ACCESSORIES Additional accessory items available. See pgs. 101-102.

Item Number	Description	Dimensions (Inches)	Color	Pcs/Ctn
6656M1 __*	MetalWorks Concealed Trim	6" x 120"	WH, SG, MY	6
7842A __	Slip-on Molding	1/2" x 120" x 5/8"	WH, SG, MY	40
FXTBC	T-bar Connector Clip	-	-	10
FX4SPICE	Splice Plate with Set Screws	-	-	10
8200100	Fiberglass Infill Panel	24" x 24" x 1"	Black (gloss)	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12

COLORS AND PERFORATIONS

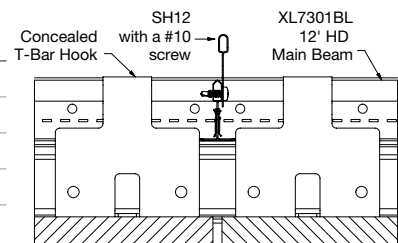
White (WH) M1 (Unperforated)
 Silver Grey (SG) M10 (Rg 2513)
 Gun Metal Grey (MY)

SUSPENSION SYSTEM

15/16" Heavy-duty Prelude® XL® Suspension System (See pg. 259 for components.)

5986	T-Bar Hook [†]	Nominal 4" x 2" x 3"	50
90190A242	#10 Pan Head Sheet Metal Screw	1/2"	100
6091	Safety Cable	24" x 3/32"	50
SH12	Support Hanger	144" x 2"	12

[†] For 2' x 8', 4' x 4' and 4' x 8' panels, install 4 hooks per panel; for 2' x 10' and 4' x 10' panels install 6 hooks per panel. Note: Refer to installation instructions at armstrong.com/installation for a better understanding of suspension requirements.



Installation Detail - Concealed Ceiling System

PHYSICAL DATA

Material
Aluminum composite – 0.57" thick

Surface Finish
Factory-applied powder-coated finish (post coated)

Acoustical Performance
MetalWorks Concealed perforated panels provide outstanding acoustical correction. NRC 0.95 achieved with acoustical infill item 5823. See CS-4172 for more information on infill panels.

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed 50 or less.
Installation Considerations
Please refer to installation instructions LA-297890 before installing MetalWorks Concealed.

Warranty
One (1) year limited warranty. Details: armstrong.com/warranty

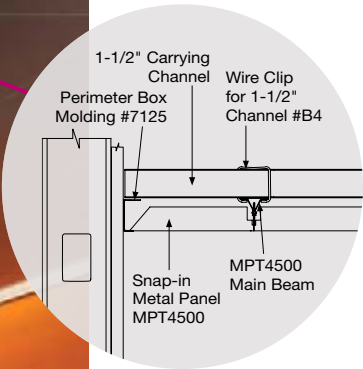
Weight
0.97 lb/SF (Bulk packaged)



METALWORKS™ Snap-in

Concealed Suspension

smooth texture



Visit armstrong.com Photo Gallery to view more installation photos
SEARCH: metalworks snap-in

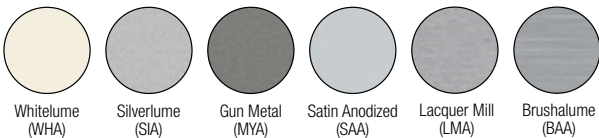
MetalWorks Snap-in 20" x 60" with M16 perforation in Silverlume on Prelude® 15/16" suspension system

KEY SELECTION ATTRIBUTES

- Clean, monolithic concealed appearance
- Low-cost concealed suspension solution
- Use on a lower clearance plenum (as low as 2") when MPT snap bar is attached directly to the deck
- Downward accessible (with panel removal tool)
- Nine standard finishes and six standard perforations available to enhance design aesthetics and acoustical performance
- NRC values up to 0.90 with fiberglass infill panels
- Laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- Durable – Washable, Scrubbable, Impact-resistant, Soil-resistant
- Up to 98% recycled content aluminum
- Additional sizes, colors, and perforations available. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

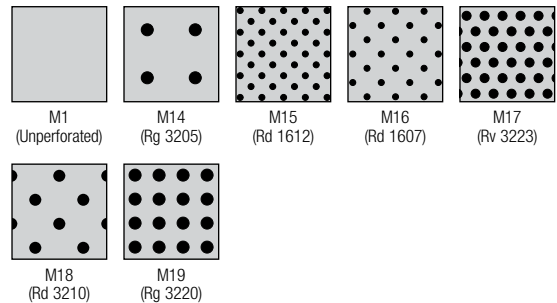
MetalWorks



Reflections™ Laminate Finishes



PERFORATION OPTIONS (1:2 scale shown)



Additional sizes, laminates, colors, and perforations available. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.

METALWORKS™ Snap-in

Concealed Suspension
smooth texture

UP TO **98%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

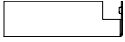




*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

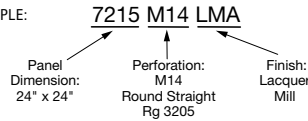
ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Perforations	Light Reflect	Durable				
					Wash	Scrub	Impact	Soil	
METALWORKS Snap-in (with acoustical fleece)					(White Only)				
	7216_ _ _ _	12 x 48" 	M1; M14-19	0.77 (M1)	•	•	•	•	
	7215_ _ _ _	24 x 24" 	M1; M14-19	0.77 (M1)	•	•	•	•	
	7217_ _ _ _	24 x 48" 	M1; M14-19	0.77 (M1)	•	•	•	•	
	7219_ _ _ _	30 x 30" 	M1; M14-19	0.77 (M1)	•	•	•	•	

Perforation	NRC with acoustical fleece**	NRC with 1" fiberglass infill panel**
	NRC	NRC
M1	-	-
M14	0.55	0.85
M15	0.70	0.90
M16	0.70	0.80
M17	0.75	0.90
M18	0.65	0.85
M19	0.75	0.90

* When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7215 M 1 4 L M A).

EXAMPLE:



ACCESSORIES

Item Number	Description	Dimensions (Inches)	Color	Pieces/Carton
7125_ _ _	Box Molding	2 x 96 x 1.5"	WHA, SIA, MYA, SAA, LMA, BAA, BL	10
7126	Spreader Hold Down	1 x 10-5/8 x 1-1/2"	N/A	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12
7127	Snap-in Access Tool	N/A	N/A	1

** Maximum NRC achieved with acoustical infill (item 8200100 or 5823). For additional infill panel options, refer to catalog pgs. 101-102.

COLORS AND PERFORATIONS

Whitelume (WHA) Silverlume (SIA) Gun Metal (MYA)	Satin Anodized (SAA) Lacquer Mill (LMA) Brushlume (BAA)	Arctic Maple (LAM) Natural Maple (LNMPIE) Rock Maple (LRM)	Light Cherry (LLC) Natural Oak (LNOIE) Pecan (LPC)	Wild Cherry (LWC) Mineral Forest (LMF) Walnut (LWN)	M1 (Unperforated) M14 (Rg 3205) M15 (Rd 1612)	M16 (Rd 1607) M17 (Rv 3223) M18 (Rd 3210)	M19 (Rg 3220)
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SUSPENSION SYSTEMS

15/16" Prelude® XL® Main Beams (See catalog pg. 259 for components.); 1-1/2" Drywall Grid Main Beams (See catalog pg. 300 for components.)

Item Number	Description	Dimensions (Inches)	Color	Pieces/Carton
1-1/2" Carrying Channel	Supplied by others	-	-	-
MPT4500	Spring Tee (Snap Bar) (cross tee optional but recommended)	-	N/A	25
B4	Wire Clip 1-1/2" Channel	-	N/A	1,000
7132	Snap Bar Hanger	3-1/4 x 5"	N/A	100
7133	Snap Bar Miser Clip	3-1/4 x 4-7/16"	N/A	100
S45	Splice for Metal Pan Main Beam	12"	N/A	250

PHYSICAL DATA

Material

Aluminum – thickness 0.040"

Surface Finish

Laminates: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint

Fire Performance

Painted aluminum finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Laminate finish tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

ASTM E1264 Classification

Fire Class A – Painted
Fire Class B – Laminates

Acoustical Options

Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content

Minimum 25%. Up to 98% recycled content available.

Design Consideration

Anodized and Lacquer Mill finishes may vary in shade between production runs and over time.

Design Support

Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Seismic Restraint

This product is not recommended for seismic areas. Use MetalWorks Torsion Spring or Vector® panels in seismic conditions.

Warranty

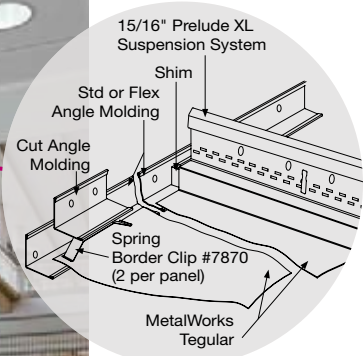
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
0.69 lbs/SF



METALWORKS™

Tegular
smooth texture



MetalWorks Tegular Microperforated in Silver Grey on Suprafine® 9/16" suspension system in Silver Grey (Pg. 266) with 4" Classic Axiom® in Silver Grey (Pg. 267)



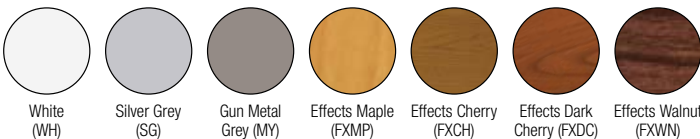
Visit Armstrong.com
Photo Gallery to view more
installation photos
SEARCH: metalworks tegular

KEY SELECTION ATTRIBUTES

- Available in three standard colors and four standard Effects™ Wood Looks finishes with matching trim
- Panels can be used to create continuous looks or clouds using Axiom or Effects Wood Looks trim
- MetalWorks Tegular panels available for TechZone™ applications; see pages 235-241 for details
- 18" x 18" MetalWorks Tegular panels available for Metaphors® Coffers; see pages 189-192 for details
- Standard perforations available to enhance acoustical performance and design aesthetics
- Outstanding NRC with acoustical fleece or infill panel (0.65 – 0.90)
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

COLOR SELECTION

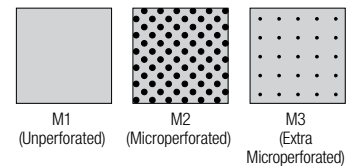
Due to printing limitations, shade may vary from actual product.



Panels are available in Custom RAL colors upon request. Effects colors are only available for unperforated and extra microperforated panels.

PERFORATION OPTIONS

(1.2 scale shown)



DETAIL



1. MetalWorks Tegular Microperforated
2. MetalWorks Tegular Extra Microperforated
3. Effects Wood Looks Tegular Extra Microperforated

For custom size, color, and perforation options, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select prompts 1-1-4.

METALWORKS™

Tegular
smooth texture

25% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions Nominal W x L x H (Inches)	Perforations	Light Reflect	Durable
METALWORKS Flush Tegular (with acoustical fleece)					
15/16" Flush Tegular	6461_ _ _ _	24 x 24"	□ M1, M2, M3	(White Only) 0.77 (M1, M3) 0.61 (M2)	Wash • Scrub • Impact • Soil •
METALWORKS 5/16" Square Tegular (with acoustical fleece)					
15/16" Square Tegular	6462_ _ _ _	24 x 24"	□ M1, M2, M3	0.77 (M1, M3) 0.61 (M2)	• • • •
9/16" Square Tegular	6464_ _ _ _	24 x 24"	□ M1, M2, M3	0.77 (M1, M3) 0.61 (M2)	• • • •
METALWORKS 5/8" Square Tegular (with acoustical fleece)					
15/16" Square Tegular	6463_ _ _ _ †	24 x 24"	□ M1, M2, M3	0.77 (M1, M3) 0.61 (M2)	• • • •
9/16" Square Tegular	6465_ _ _ _ †	24 x 24"	□ M1, M2, M3	0.77 (M1, M3) 0.61 (M2)	• • • •

Dots represent high level of performance.

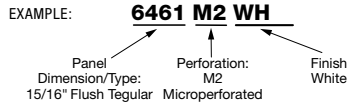
Perforation	% Open Area	NRC	CAC
M1	0%	0.10	36
M2	18.4%	0.70 0.90**	38***
M3	1.5%	0.65 0.70**	40***

** NRC 0.90 (microperforated) or NRC 0.70 (extra microperforated) with optional fiberglass infill item 8200100. NRC 0.85 (microperforated) or NRC 0.70 (extra microperforated) with optional BioAcoustic™ infill item 5479 or 5823.

*** With optional field-cut item 747 mineral fiber backing (cannot be used in addition to fiberglass infill item 8200100).

For infill panel options, refer to pages 101-102.

- ♦ When specifying or ordering, include the appropriate perforation and letter color suffix with the item number (e.g., 6462 M 1 W H). Light reflectance is for White only.
- ♦♦♦ Available in Effects Wood Looks finishes. NOTE: Perforation M2 not available in Effects finishes as a standard option.
- † "S" Service item with extended lead time.



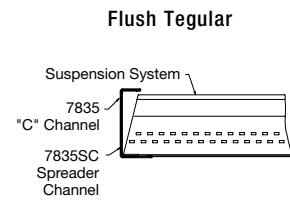
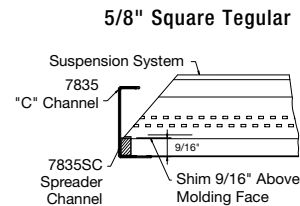
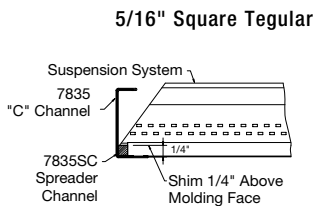
ACCESSORIES

For accessories, including moldings, perimeter trim, clips and edge caps, refer to pgs. 101-102.

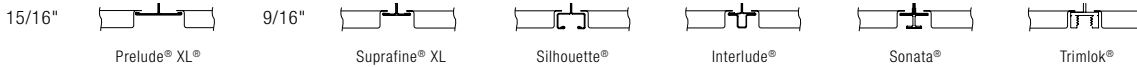
COLORS AND PERFORATIONS (Custom and RAL colors available.)

White (WH)	Gun Metal Grey (MY)	Effects Cherry (FXCH)	Effects Walnut (FXWN)	M1 (Unperforated)	M3 (Extra Microperforated)
Silver Grey (SG)	Effects™ Maple (FXMP)	Effects Dark Cherry (FXDC)		M2 (Microperforated)	

PERIMETER INSTALLATION DETAILS (Spreader channel inserts into "C" channel, for spring border clip detail see pg. 81.)



SUSPENSION SYSTEMS



Prelude and Suprafine are available in coordinating colors. All other suspension systems are available in standard White only. Other colors available as special order.

PHYSICAL DATA

Material
Electrogalvanized Steel – 0.021" thickness

Surface Finish
Factory-applied powder-coated finish (post-coated).
Exterior: Factory-applied powder-coated finish (post-coated on both sides). Effects finish on face only Premium and Custom RAL colors also available. Refer to BPCS-3957 for a sampling of Custom RAL colors. Contact Armstrong Architectural Specialties for custom color matching requests at 1 877 ARMSTRONG; select options 1-1-4.

Fire Performance
Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Installation Consideration
For Tegular faceted installations, a Faceted Hold Down Clip must be used, which will limit accessibility. If accessibility is required in a faceted application, use Vector® panels.
For information about faceted applications with square Tegular panels in 15/16" suspension system, refer to installation instructions on our web site at armstrong.com/ installation.

Seismic Restraint
MetalWorks Tegular has been engineered, tested, and approved for application in all seismic areas.

Warranty
Warranty details at armstrong.com/warranty

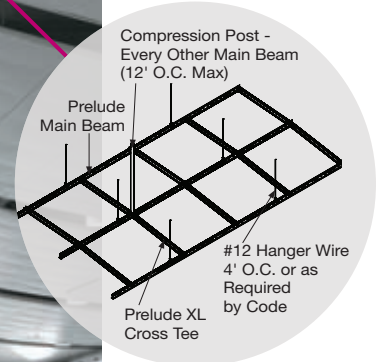
Weight; Square Feet/Carton
6461M2, 6461M3 – 0.75 lbs/SF;
64 SF/Ctn
6461M1 – 0.80 lbs/SF; 64 SF/Ctn
6462M2 – 0.86 lbs/SF; 64 SF/Ctn
6462M1, 6463M2, 6463M3, 6465M2, 6465M3, 6462M3 – 0.89 lbs/SF;
64 SF/Ctn
6464M2, 6463M1, 6465M1, 6464M3 – 0.92 lbs/SF; 64 SF/Ctn
6464M1 – 0.97 lbs/SF; 64 SF/Ctn



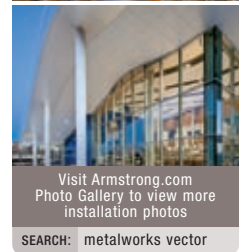
METALWORKS™ Vector®

METALWORKS Vector Exterior

smooth texture



MetalWorks Vector Microperforated in Silver Grey on Prelude® XL® 15/16" suspension system (Pg. 259)



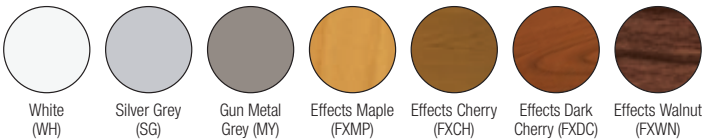
Visit Armstrong.com Photo Gallery to view more installation photos

KEY SELECTION ATTRIBUTES

- Available in three standard colors and four standard Effects™ Wood Looks finishes with matching Effects trim
- Panels can be used to create continuous looks or clouds using Axiom® or Effects wood looks trim
- Exclusive Vector-edge profile ceiling installs on new or existing 15/16" exposed tee suspension system resulting in a thin 1/4" reveal
- Standard perforations available to enhance acoustical performance and design aesthetics
- Exterior system available, tested to meet wind uplift Classes 30, 60, and 90
- Outstanding NRC with acoustical fleece or infill panel (0.65 – 0.90)
- Installs with minimal plenum clearance
- 100% downward accessible, plenum access per panel without the need of special tools

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

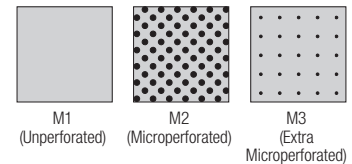


White Exterior (WH2) Silver Grey Exterior (SG2) Gun Metal Grey Exterior (MY2) Effects Maple Exterior (FXMP2) Effects Cherry Exterior (FXCH2) Effects Dark Cherry Exterior (FXDC2) Effects Walnut Exterior (FXWN2)

Panels are available in Custom RAL colors upon request. Effects colors are only available for unperforated and extra microperforated panels.

PERFORATION OPTIONS

(1:2 scale shown)



DETAIL



1. MetalWorks Vector Microperforated
2. MetalWorks Vector Extra Microperforated
3. MetalWorks Vector Unperforated with Prelude XL 15/16" suspension system

Additional sizes, colors, and perforations available as custom options. For more information, visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.

METALWORKS™ Vector® METALWORKS Vector Exterior

smooth texture

25% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Perforations	Light Reflect	Durable			
METALWORKS Vector (with acoustical fleece)				(White Only)	Wash	Scrub	Impact	Soil
1/4" Reveal with 15/16" Vector	6466	24 x 24"	M1, M2, M3	0.77 (M1, M3) 0.61 (M2)	•	•	•	•

- ♦ When specifying or ordering, include the appropriate letter color suffix with the item number (e.g., 6466 M1 WH, 6466 M3 EXCH, or 6466 M1 EXMP2).
- ♦♦ Available in Effects Wood Looks finishes. NOTE: Perforation M2 not available in Effects finishes as a standard option and has 1,000 SF minimum order quantity.

Dots represent high level of performance.

Perforation	% Open Area	NRC**	CAC**
M1	0%	0.70	36
M2	18.4%	0.70 0.90	31***
M3	1.5%	0.65 0.70	33***

** NRC 0.90 (microperforated); NRC 0.70 (extra microperforated) with optional fiberglass infill #8200100.
NRC 0.85 (microperforated); NRC 0.70 (extra microperforated) with optional BioAcoustic™ infill #5479 or 5823.
*** With optional field-cut #770 mineral fiber backing (cannot be used in addition to fiberglass infill #8200100).

ACCESSORIES

For additional accessories, including moldings and perimeter trim, see pgs. 101-102.

Item Number*	Description	Dimensions (Inches)	Pieces/Carton
FXSPTHDC	Effects Hold Down Clip for Cut Panel Installations	N/A	10
84008_ _♦	Single-Slot Air Diffuser (not available in Effects colors, order in Black (BL))	24 x 24"	1
6098_ _♦	Edge Cap for Cut Vector Panels (not available in Effects colors, order in Black (BL))	Nominal 24" length	50

COLORS AND PERFORATIONS

(Custom and RAL colors available.)

White (WH)	Effects Cherry (FXCH)	Silver Grey Exterior (SG2)	Effects Dark Cherry Exterior (FXDC2)	M1 (Unperforated)
Silver Grey (SG)	Effects Dark Cherry (FXDC)	Gun Metal Grey Exterior (MY2)	Effects Walnut Exterior (FXWN2)	M2 (Microperforated)
Gun Metal Grey (MY)	Effects Walnut (FXWN)	Effects Maple Exterior (FXMP2)		M3 (Extra Microperforated)
Effects™ Maple (FXMP)	White Exterior (WH2)	Effects Cherry Exterior (FXCH2)		

SUSPENSION SYSTEM

15/16" Prelude® XL® (See pg. 259 for components.); 15/16" Prelude XL for Exterior Applications (See pg. 258 for components.)

PHYSICAL DATA

Material
Electrogalvanized Steel – 0.021" thickness

Surface Finish
Factory-applied powder-coated finish (post-coated).
Exterior: Factory-applied powder-coated finish (post-coated on both sides). Effects finish on face only
Premium and Custom RAL colors also available. Refer to BPCS-3957 for a sampling of Custom RAL colors. Contact Armstrong Architectural Specialties for custom color matching requests at 1 877 ARMSTRONG, select options 1-1-4.

Fire Performance
Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Installation Consideration
For information about accessible faceted applications, refer to installation instructions on our web site at armstrong.com/installation.

Wind Uplift Performance
MetalWorks Vector for exterior applications has been tested to meet wind uplift Classes 30, 60, and 90. There is no fleece on exterior panels. Visit armstrong.com/metalworks or contact TechLine at 1 877 ARMSTRONG for installation instructions and test documentation.

Seismic Restraint
MetalWorks Vector has been engineered, tested, and approved for application in all seismic areas.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
6466M1, 6466M3 – 1.15 lbs/SF;
40 SF/ctn
6466M2 – 1.10 lbs/SF; 40 SF/ctn
Contact TechLine for weight information on panels with M4, M5, and M6 perforations.

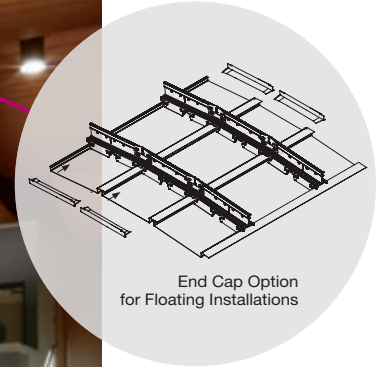


METALWORKS™ Linear METALWORKS™ Linear Exterior

smooth texture



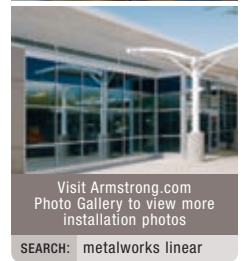
MetalWorks Linear 12" Ceiling System in Effects™ Deep Cherry



End Cap Option
for Floating Installations



cloud
friendly



Visit Armstrong.com
Photo Gallery to view more
installation photos

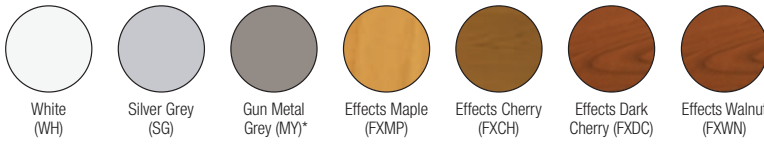
SEARCH: metalworks linear

KEY SELECTION ATTRIBUTES

- Nominal 4", 8", and 12" wide panels, including nominal 1" reveal
- Install in the ceiling, on the wall, or create 90° angled or curved ceiling-to-wall transitions
- Available in three colors and three Effects Wood Looks finishes
- Available for exterior applications, tested to meet wind uplift Classes 30, 60, and 90
- Acoustical options with microperforated panels
- Fast and easy installation
- For custom color options, call the Architectural Specialties project management team at 1 877 ARMSTRONG and select options 1-1-4

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

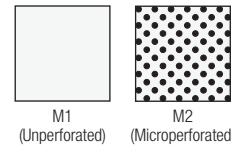


White Exterior (WH2) Silver Grey Exterior (SG2) Gun Metal Grey Exterior (MY2)* Effects Maple Exterior (FXMP2)* Effects Cherry Exterior (FXCH2)* Effects Dark Cherry Exterior (FXDC2)* Effects Walnut Exterior (FXWN2)*

* "S" service item, minimum order quantity extended lead times apply.

PERFORATION OPTIONS

(1:2 scale shown)



M1 (Unperforated) M2 (Microperforated)

Due to the non-standard suspension system of this product, call 1 877 ARMSTRONG and select options 1-1-4 to order this product through Architectural Specialties.

METALWORKS™ Linear METALWORKS™ Linear Exterior

smooth texture

25% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Item Number*	Description	Dimensions Nominal L x W x H (Inches)	Acoustics NRC	Fire Rating	Light Reflect	Durable				
						Wash	Scrub	Impact	Soil	
METALWORKS Linear Planks						(White Only)				
6604M1	4" Unperforated Interior/Exterior	96 x 4 x 5/8"	N/A	Class A	0.77	•	•	•	•	
6608M1	8" Unperforated Interior/Exterior	96 x 8 x 5/8"	N/A	Class A	0.77	•	•	•	•	
6612M1	12" Unperforated Interior/Exterior	96 x 12 x 5/8"	N/A	Class A	0.77	•	•	•	•	
6604M2	4" Microperforated (with plain border and acoustical fleece – interior only)	96 x 4 x 5/8"	0.70 0.85*	Class A	0.61	•	•	•	•	
6608M2	8" Microperforated (with plain border and acoustical fleece – interior only)	96 x 8 x 5/8"	0.70 0.85*	Class A	0.61	•	•	•	•	
6612M2	12" Microperforated (with plain border and acoustical fleece – interior only)	96 x 12 x 5/8"	0.70 0.85*	Class A	0.61	•	•	•	•	

* When specifying or ordering, include the appropriate 2-, 3-, 4-, or 5-letter color suffix (e.g., 6604M2 **W** H, 6604M1 **W** H 2, 6608M2 **E** X C H, 6608M1 **E** X C H 2).
 † 12" panels are "S" Service items with minimum order quantities and extended lead times.
 * NRC 0.85 with optional fiberglass infill. For acoustical infill panel information, see pages 101-102.
 NOTE: Gun Metal Grey (MY) & Gun Metal Grey Exterior (MY2) are available as "S" Service items with minimum order quantities and extended lead times.

COLORS

(Custom and RAL colors available.)

Perforated Interior Only: White (WH) Silver Grey (SG) Gun Metal Grey (MY)	Effects™ Maple (FXMP) Effects Cherry (FXCH) Effects Dark Cherry (FXDC)	M2 (Microperforated)	Unperforated Interior/Exterior: White Exterior (WH2) Silver Grey Exterior (SG2) Gun Metal Grey Exterior (MY2)	Effects Maple Exterior (FXMP2) Effects Cherry Exterior (FXCH2) Effects Dark Cherry Exterior (FXDC2)	M1 (Unperforated)
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PHYSICAL DATA

Material
Electrogalvanized Steel – thickness 0.028"

Surface Finish
Available in White, Silver Grey, Gun Metal Grey, and Effects Wood Looks powder-coated, post-production finishes. Panels are finished on both sides for exterior applications. Custom RAL colors also available. Refer to BPCS-3957 for a sampling of RAL colors. Contact Armstrong Architectural Specialties for custom color matching requests at 1 877 ARMSTRONG and select options 1-1-4.

Edge Detail
Square with extended flange. To create Contrasts system, flange is covered with 1-1/4" black Filler Strip.

Fire Performance
Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Seismic Restraint
MetalWorks Linear has been engineered, tested, and approved for application in all seismic areas.

Wind Uplift Performance
4" and 8" panels tested for wind uplift Classes 30, 60, and 90. Specific installation recommendations to meet these wind classes are available. There is no acoustical fleece on exterior panels. For more information, contact TechLine at 1 877 ARMSTRONG.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
6604 – 1.61 lbs/SF; 14 pcs/ctn or 112 LF/ctn
6608, 6612 – 1.61 lbs/SF; 6 pcs/ctn or 48 LF/ctn



METALWORKS™ Linear METALWORKS™ Linear Exterior

smooth texture

ACCESSORIES

Item Number*	Description	Dimensions Nominal L x W x H (Inches)	Colors
5572_-----	Standard Carrier Molding	120 x 1 x 2"	Interior/Exterior Colors
5574_-----	Flex Carrier Molding	120 x 1 x 1"	Interior/Exterior Colors
5581_-----	4" End Cap	1 x 3 x 2/3"	Interior/Exterior Colors
5582_-----	8" End Cap	1 x 7 x 2/3"	Interior/Exterior Colors
5583_-----	12" End Cap	1 x 11 x 2/3"	Interior/Exterior Colors

* When specifying or ordering, include the appropriate 4- or 5-letter color suffix (e.g., 6545 E X C H, 6608M1 E X C H 2).

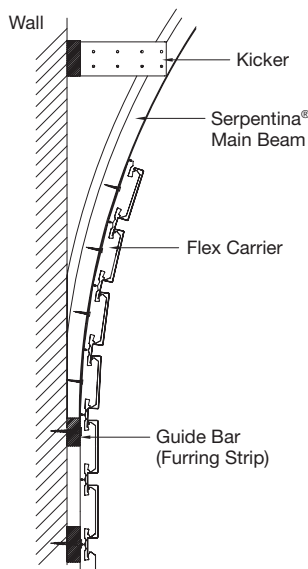
SUSPENSION SYSTEM

Item Number	Description	Dimensions Nominal L x W x H (Inches)	Pieces/ Carton
5497	Standard Carrier	144 x 1-5/8 x 1-5/8"	10
5498	Flex Carrier	144 x 1-5/8 x 1"	10
5499	Carrier Splice	4 x 1-1/2 x 5/8"	50
5580	Carrier Hanger	2-1/4 x 3 x 1"	20
6351	Speed Clip	1/4 x 1/2 x 1/8"	Bulk
5494	Contrast Filler Strip Black	96 x 1/4 x 1/16"	16

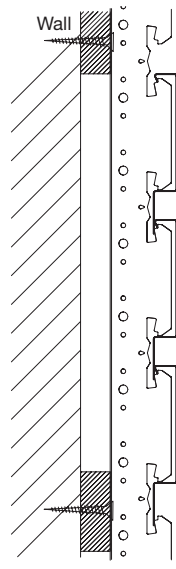
NOTE: Due to the non-standard suspension system of this product, call 1 877 ARMSTRONG and select options 1-1-4 to place an order with the Architectural Specialties project management team.

INSTALLATION DETAILS

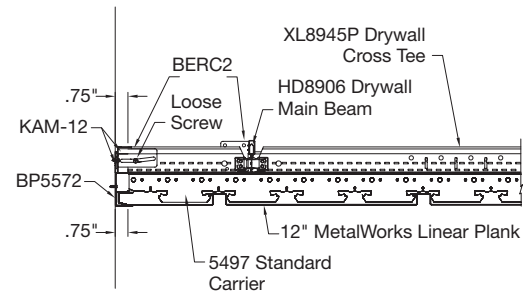
Linear Transitions Ceiling to Wall



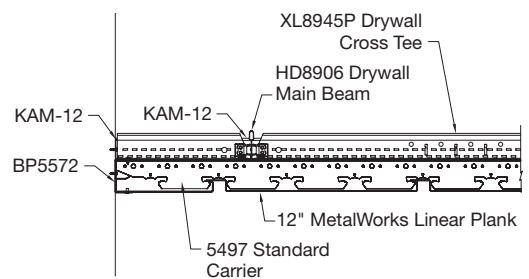
Linear Attaching to Wall



Perpendicular to Main Carrier Unattached Wall



Perpendicular to Main Carrier Attached Wall



METALWORKS™ Open Cell

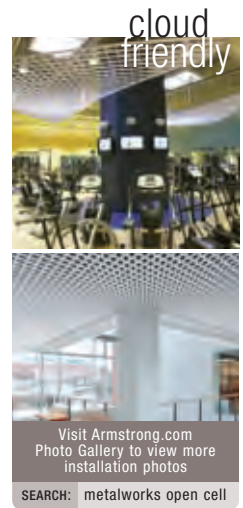
Square Lay-in



MetalWorks Open Cell 8" Lay-in in White

KEY SELECTION ATTRIBUTES

- Creates a modern, open look for a space
- Variety of design options
- 100% accessible to plenum (HVAC, lighting)
- Helps mask the plenum
- Lay-in system is fast and easy to install in a standard suspension system



This product is undergoing design updates.
For the most up-to-date information, visit armstrong.com/metalworksopencell

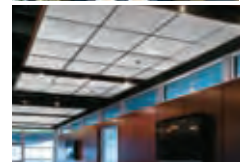


METALWORKS™ Mesh™

Lay-in



MetalWorks Mesh custom item 6420 in Silver Grey on Prelude® 15/16" suspension system in Silver Grey (Pg. 259)



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: metalworks mesh

KEY SELECTION ATTRIBUTES

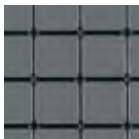
- Create a contemporary, open feel
- Eighteen standard designs on 24" x 24" ceiling panels
- Variety of standard colors, plus custom and RAL colors available
- Flexible design—use as accent borders, clouds, or full ceilings
- Simple and safe installation – panels lay in standard 15/16" suspension system with borders or finished edges
- Can be used in Formations™ Clouds
- Additional sizes, colors, and patterns available as custom options (minimum order quantity required); contact Architectural Specialties for more information

WOVEN WIRE (1:6 scale shown)

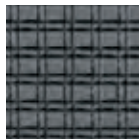
Square Weave



1Cell
Item 6415AM



2Cell
Item 6416AM



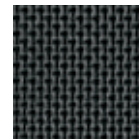
Twin Round Narrow
Item 6129AM



Twin Flat Narrow
Item 6412AM



Twin Flat Wide
Item 6410AM



Single Flat Narrow
Item 6411AM

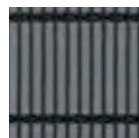
Linear Weave



Single Mini
Item 6413AM

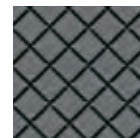


Single Narrow
Item 6414AM



Triple Narrow
Item 6128AM

Diamond Weave



1Diamond
Item 6417AM



2Diamond
Item 6418AM

For detailed pattern information including spacing wire diameters and open area, go to armstrong.com/mesh

MESH / SUSPENSION SYSTEM COLORS

Available on All Panels:



White
(WH)



Silver Grey
(SG)



Gun Metal
Grey (MY)



Tech Black
(BL)

Available on Select Panels:



Nickel
Chrome
(NC)^{†††}



Bright
Anodized
(BA)^{††††}



Natural
Anodized
(NA)^{†††††}



Natural
Aluminum
(WA)[†]



Copper
(CP)^{†††††}



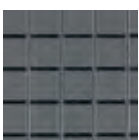
Bronze
(BZ)^{†††††}



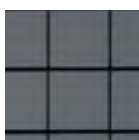
Mirror
(AM)[†]

Coordinating Suspension Colors:

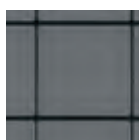
WELDED WIRE (Actual 1:6 scale shown)



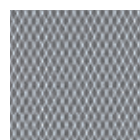
1Cell
Item 6131AM



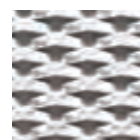
2Cell
Item 6132AM



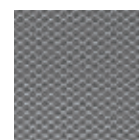
3Cell
Item 6133AM



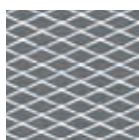
Lattice
Item 6136AM



Cascades
Item 6139AM



Scallops
Item 6137AM



Trellis
Item 6138AM

EXPANDED METAL (Actual 1:6 scale shown)

Due to printing limitations, shade may vary from actual product.

* Not available on Cascades

** Only available on Cascades

*** Premium options

† Only available as a coordinating suspension system color

†† Not available as a coordinating suspension system color

METALWORKS™ Mesh™ Lay-in

25% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials




Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number*	Description	Panel Dimensions (Inches)	Interior Pattern Dimensions (Inches)	% Open Area	Fire Rating	Durable			
							Wash	Scrub	Impact	Soil
WOVEN WIRE										
Square Weave										
	6129AM __	Twin Round Narrow	24 x 24"	0.25"/0.57"/0.25"/0.57"	61%	Class A	•	•	•	•
	6410AM __	Twin Flat Wide	24 x 24"	0.75"/2.25"/0.75"/2.25"	56%	Class A	•	•	•	•
	6411AM __	Single Flat Narrow	24 x 24"	0.25 x 0.25"	21%	Class A	•	•	•	•
	6412AM __	Twin Flat Narrow	24 x 24"	0.25"/0.75"/0.25"/0.75"	53%	Class A	•	•	•	•
	6415AM __	1Cell	24 x 24"	0.855 x 0.855"	76%	Class A	•	•	•	•
	6416AM __	2Cell	24 x 24"	1.387 x 1.387"	82%	Class A	•	•	•	•
Linear Weave										
	6413AM __	Single Mini	24 x 24"	0.3125 x 0.143"	57%	Class A	•	•	•	•
	6414AM __	Single Narrow	24 x 24"	1.105 x 0.25"	52%	Class A	•	•	•	•
	6128AM __	Triple Narrow	24 x 24"	3.15 x 0.386"	62%	Class A	•	•	•	•
Diamond Weave										
	6417AM __	1Diamond	24 x 24"	0.855 x 0.855"	76%	Class A	•	•	•	•
	6418AM __	2Diamond	24 x 24"	1.326 x 1.326"	82%	Class A	•	•	•	•
WELDED WIRE										
	6131AM __	1Cell	24 x 24"	1 x 1"	78%	Class A	•	•	•	•
	6132AM __	2Cell	24 x 24"	2 x 2"	88%	Class A	•	•	•	•
	6133AM __	3Cell	24 x 24"	3 x 3"	92%	Class A	•	•	•	•
EXPANDED METAL										
	6136AM __	Lattice	24 x 24"	SWD 0.250", LWD 0.500"	73%	Class A	•	•	•	•
	6137AM __	Scallops	24 x 24"	SWD 0.295", LWD 0.394"	61%	Class A	•	•	•	•
	6138AM __	Trellis	24 x 24"	SWD 0.515", LWD 1.200"	70%	Class A	•	•	•	•
	6139AM __	Cascades	24 x 24"	SWD 0.950", LWD 2.000"	23%	Class A	•	•	•	•

* When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6129AM S G). SWD = Short way of design LWD = Long way of design
NOTE: For acoustical infill panel information, see pgs. 101-102.

COLORS (Custom and RAL colors available.)

White (WH) Gun Metal Grey (MY) Nickel Chrome (NC)* Natural Anodized (NA)** Bronze (BZ)***
Silver Grey (SG) Tech Black (BL) Bright Anodized (BA)** Copper (CP)***

* Standard color, available on all items except Cascades. ** Standard color, only available on Cascades. *** Premium options.

SUSPENSION SYSTEMS (See pg. 259 for Prelude XL components. See pgs. 53-54 for 360° Painted Grid components.)

15/16"



Prelude® XL®

PHYSICAL DATA

Material

All items, except Cascades, are cold-rolled steel. Cascades is aluminum.

Surface Finish

Available finishes include a range of smooth, factory-applied powder-coated (post-coated) finishes. Anodized finishes (BA, NA) on Cascades only.

Fire Performance

Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

All MetalWorks Mesh panels are non-combustible. As with other architectural features located at the ceiling, Mesh panels may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling the heat from a fire either toward or away from the device.

For panels that do not meet the criteria for open-suspension system ceilings as defined by NFPA 13,

a 24" x 24" mineral fiber panel should be placed on the back of the Mesh panel when installing the ceiling, with the sprinkler installed below both panels. (Fine Fissured™ item 1728BL is an acceptable lay-in product for this use.)

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

ASTM E1264 Classification

Fire Class A

Design Considerations

For more open MetalWorks Mesh items where the suspension system may be visible through the panels, consider using a 360° Painted Grid System coordinated with the panel color.

Installation Considerations

Hold down clips may be required in some installations, see pg. 271-272. The edges of MetalWorks Mesh panels feature unique detailing. Use caution and wear appropriate hand and eye protection when

installing or cutting these metal panels. Refer to Installation Instructions BPLA-297075 at armstrong.com/metalworks for details and cutting recommendations.

Warranty

Warranty details at armstrong.com/warranty

Weight/Panel

6128AM – 4.2 lbs; 6129AM – 6 lbs;
6131AM – 4 lbs; 6132AM – 2.3 lbs;
6133AM – 1.6 lbs;
6410AM, 6412AM – 4.8 lbs;
6136AM – 1.8 lbs; 6137AM – 2.8 lbs;
6138AM – 1.7 lbs; 6138AM – 2.1 lbs;
6411AM – 8.2 lbs; 6413AM – 5.1 lbs;
6414AM – 6.9 lbs;
6415AM, 6417AM – 3.3 lbs;
6416AM, 6418AM – 3.2 lbs;

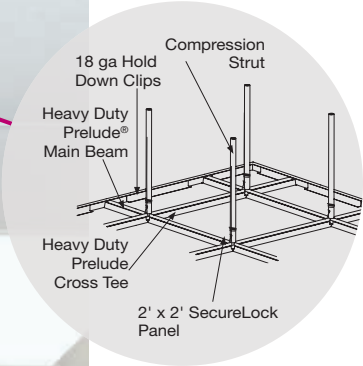
Minimum Order Quantity

160 Square Feet



METALWORKS™ SecureLock™ and SecureLock Plus

Lay-in & Screw-in
smooth texture



MetalWorks SecureLock 24" x 24" panel with P4 perforation in White

Visit Armstrong.com
Photo Gallery to view more
installation photos
SEARCH: metalworks
securelock

KEY SELECTION ATTRIBUTES

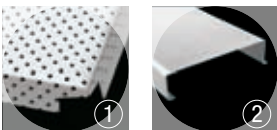
SecureLock Lay-in

- Tamper-resistant ceiling
- 18-gauge galvanized steel panels for added strength and durability
- Point load tested to withstand up to 850 lbs and a minimum of 430 lbs
- Concealed locking
- Installs on a heavy-duty Armstrong suspension system
- Protection against contraband concealment

SecureLock Plus Screw-in (custom)

- Tamper-proof plank ceiling
- System capable of withstanding 600 impacts with 200 ft lb of energy
- Screw-in point load plank system tested to withstand 960 – 3,100 lbs of force
- 12, 14, and 16-gauge galvanized steel planks for added strength and durability
- Available in 12", 18", and 24" widths and up to 10' lengths
- Protection against contraband concealment
- Stainless steel planks
- Call Architectural Specialties for help with SecureLock Plus

DETAIL



1. MetalWorks SecureLock Perforated
2. MetalWorks SecureLock Plus Perforated

COLOR SELECTION

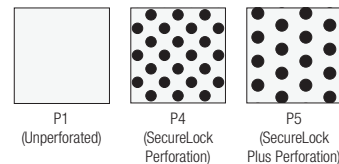
Due to printing limitations, shade may vary from actual product.



* Premium finish options

PERFORATION OPTIONS

(1:2 scale shown)



Visit our web site at armstrong.com/metalworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team on custom SecureLock Plus Screw-in applications.

METALWORKS™ SecureLock™ and SecureLock Plus

Lay-in & Screw-in
smooth texture

30% RECYCLED CONTENT

LEED®

- ✓ acoustics
- ✓ energy
- ✓ daylight & views
- ✓ indoor air quality
- ✓ renewable materials
- ✓ recycled content
- ✓ waste mgmt
- ✓ local* materials

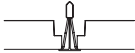
Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFO

Edge Profile	Item Number*	Dimensions (Inches)	Fire Rating	Perforations	Light Reflect				Durable				Perforation					
					(White Only)	Wash	Scrub	Impact	Soil	NRC**	CAC**	Perforation						
METALWORKS SecureLock Unperforated													Dots represent high level of performance.					
15/16" Lay-in 	5488_ _WH	24 x 24"	Class A	P1, P4	0.77 (P1) 0.61 (P4)	•	•	•	•	M1			–	36				
* Add 2-letter perforation suffix to item number when specifying or ordering (Example: 5488P 1WH). NOTE: 24" x 48" panels and SecureLock Plus Custom available by contacting Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.													* With optional field-cut item 747 mineral fiber backing (cannot be used in addition to fiberglass infill item 8200100). ** NRC 0.80 (microperforated) with optional fiberglass infill item 8200100 .					
													M10			0.10 0.80**	38*	

ACCESSORIES

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5396	24 x 24" Hold Down Border Clips – 18 gauge	22-1/8"	Bulk
5594	Compression Strut	–	Bulk
5596	Security Screws	–	100
5597	Security Screwdriver (to be used with item 5596)	–	1
5598	Tek Screws	–	100
5650WH	C Channel – 18 gauge	120"	Bulk
5398	Access Door – 18 gauge	24 x 24 x 1"	Bulk
5965P1WH	24 x 24" Exit Panel Unperforated	24 x 24 x 1"	8
5965P4WH	24 x 24" Exit Panel Perforated	24 x 24 x 1"	8
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	12

COLORS AND PERFORATIONS

White (WH) Gun Metal Grey (MY)* Unperforated (P1)
Silver Grey (SG)* Perforated (P4)

* Silver Grey and Gun Metal Grey are available as premium options. Custom RAL colors are also available (minimum order quantities required).
Contact Architectural Specialties for more information at 1 877 ARMSTRONG and select options 1-1-4.

SUSPENSION SYSTEM (See pg. 259 for components.)

15/16" Standard: Prelude® XL® Heavy Duty items

PHYSICAL DATA

Material
Electrogalvanized Steel – thickness 18 gauge

Surface Finish
Factory-applied powder-coated finish (post-coated)

Fire Performance
Factory Mutual Approvals Specification tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Design/Installation Considerations
Panels installed in correctional facilities are recommended for supervised areas. For detailed impact and point load test results, contact TechLine.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
5488P1WH – 2.24 lbs/SF; 32 SF/ctn
5488P4WH – 1.97 lbs/SF; 32 SF/ctn



METALWORKS™ 3D

Tegular
smooth texture



MetalWorks 3D in Wild Cherry

KEY SELECTION ATTRIBUTES

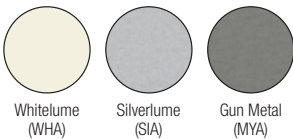
- Define and accentuate spaces with unique 3D look
- Reflections™ laminate finishes provide wood-look visual
- Standard tegular and 1", 2", 3" and 4" panel heights
- Easy to install
- Perforation option available for acoustics
- Durable – Washable, Scrubbable, Soil-resistant
- Custom RAL colors available
- Contact Armstrong Architectural Specialties at 1 877 Armstrong, select options 1-1-4, for custom color matching requests. Minimum order quantities may be required.



COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

MetalWorks

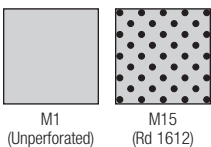


Reflections Laminate Finishes



PERFORATION OPTIONS

(1:2 scale shown)



METALWORKS™ 3D

Tegular
smooth texture

25% RECYCLED CONTENT

LEED®

- ✓ acoustics
- ✓ energy
- ✓ daylight & views
- ✓ indoor air quality
- ✓ renewable materials
- ✓ recycled content
- ✓ waste mgmt
- ✓ local* materials

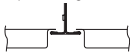
Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Fire Rating	Light Reflect (White Only)	Durable				
					Wash	Scrub	Impact	Soil	
METALWORKS SecureLock Unperforated									
 9/16" Square Tegular (dimension varies)	7220_ _ _ _ _	24 x 24 x .313" Down Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220UP1_ _ _ _ _	24 x 24 x 1" Up Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220DN1_ _ _ _ _	24 x 24 x 1" Down Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220UP2_ _ _ _ _	24 x 24 x 2" Up Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220DN2_ _ _ _ _	24 x 24 x 2" Down Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220UP3_ _ _ _ _	24 x 24 x 3" Up Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220DN3_ _ _ _ _	24 x 24 x 3" Down Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220UP4_ _ _ _ _	24 x 24 x 4" Up Tegular	□	Class A / Class B	0.77	•	•	•	•
	7220DN4_ _ _ _ _	24 x 24 x 4" Down Tegular	□	Class A / Class B	0.77	•	•	•	•

Dots represent high level of performance.

Perforation	NRC	CAC
M1	0.10	N/A
M15	0.70 - 0.90*	N/A

* For perforated panels only, NRC 0.70 (Fleece); 0.90 (acoustical infill).

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7220M1WHA).
 * Light reflectance is for unperforated Whitelume.
 ** Class A fire rating on MetalWorks painted finishes and Class B on Reflections laminates.

ACCESSORIES

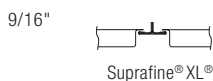
Item Number	Description	Dimensions Nominal W x L x H	Color	Pieces/ Carton	NRC†	CAC	VOC Formaldehyde
8200100	1" Fiberglass Infill Panel	24" x 24" x 1"	Black	12	0.90	N/A	Low
747*	Cortega Square Lay-In Panel	24" x 48" x 5/8"	White	8	0.55	40	Low
5823	BioAcoustic™ Infill Panel	24" x 24" x 5/8"	Black-Matte	12	0.75	N/A	No Added

* Recommended for high CAC acoustical performance with MetalWorks Microperforated panels.
 † Please note that NRC values are stated for infill-to-infill comparison. Actual NRC value will vary based on panel and perforation selection.

COLORS AND PERFORATIONS

Whitelume (WHA)	Rock Maple (LRM)	M1 (Unperforated)
Silverlume (SIA)	Light Cherry (LLC)	M15 (Rd1612)
Gun Metal (MYA)	Wild Cherry (LWC)	

SUSPENSION SYSTEM



Coordinating suspension systems and Axiom trim available for painted colors. Black suspension and Axiom are suggested for Reflections wood looks. Consult Armstrong.com or our most recent catalog for full suspension and trim selections.

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Reflections™ laminate finishes: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint

Fire Performance
Painted aluminum tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
Laminate finishes tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

ASTM E1264 Classification
Fire Class – Class A (painted)
– Class B (laminate)
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Design Consideration
Panels may show a small area of exposed metal edge due to the forming process. Edge paint is available to minimize this effect.

Warranty
Refer to warranty details at armstrong.com/warranty

Item Number	Weight / Square Feet
7220	0.55 lbs/SF
7220UP1	0.60 lbs/SF
7220DN1	0.60 lbs/SF
7220UP2	0.70 lbs/SF
7220DN2	0.70 lbs/SF
7220UP3	0.80 lbs/SF
7220DN3	0.80 lbs/SF
7220UP4	1.00 lbs/SF
7220DN4	1.00 lbs/SF



METALWORKS™ 3D

Tegular

smooth texture



METALWORKS



MetalWorks 3D in Whitelume

METALWORKS™ Tin

Lay-in, Tegular, and Nail-up
smooth texture



MetalWorks Tin 9/16" Lay-in item 56007 Extra Microperforated in Lacquered Steel

KEY SELECTION ATTRIBUTES

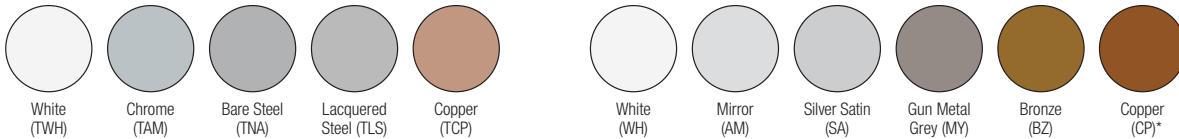
- Industry's only:
 - Extra microperforated panels provide acoustics with minimal visual interruption
 - 9/16" Tegular panels reduce visibility of the suspension system
- Variety of standard color and pattern options in 24" x 24" Lay-in and Tegular or 24" x 48" Nail-up sizes
- Two standard 24" x 24" 15/16" Lay-in coffer patterns available in three colors
- 18" x 18" Tin infill panels also available for Metaphors® Coffers; for details, see pages 189-192 or visit armstrong.com/metaphors
- Wide range of decorative accessories
- Coordinating Armstrong suspension system options
- Additional patterns, fillers, and cornices available as custom options; for details, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4



COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Suspension System Finishes



* Available in 15/16" suspension only

EDGE DETAILS



- 9/16" Lay-in (L9), 15/16" Lay-in (L5), Nail-up (NU - 2' x 4' only)
- 9/16" Tegular (T9)
- 15/16" Tegular (T5)

PERFORATION OPTIONS



Unperforated (B1)

Extra Microperforated (B3)
Hole size: 0.7mm (.028")

METALWORKS™ Tin

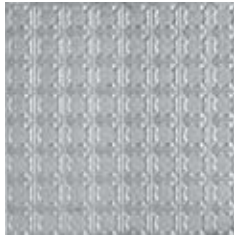
Lay-in, Tegular, and Nail-up
smooth texture

PATTERNS – STANDARD* (Cornice and accessory information on pg. 102.)

24 x 24" (Lay-in or Tegular) or 24 x 48" (Nail-up)



Item 56001



Item 56002



Item 56003



Item 56004



Item 56005



Item 56006



Item 56007



Item 56008

* Only items 56001, 56002, 56003, and 56004 are available with a Tegular edge detail.

A variety of other patterns are available as a premium options. See armstrong.com/tin for more information.

COFFERS – STANDARD

24 x 24" (15/16" Lay-in only)



Item 6661



Item 6662

NOTE: Coffers items only available unperforated in White, Bare Steel, and Lacquered Steel finishes.

FILLERS – STANDARD

24 x 24" (Lay-in only)



Item 56009

FINISHES (Available on standard and custom patterns, coffers, fillers, and cornices.)



White (TWH)



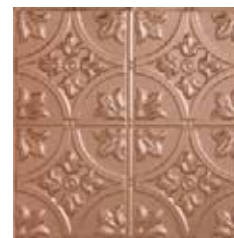
Chrome (TAM)



Bare Steel (TNA)*



Lacquered Steel (TLS)



Copper (TCP)

* Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These panels are clear lacquered on both sides and come with plastic PVC to prevent scratching. See MetalWorks Tin installation instructions (BPLA-297442) at armstrong.com/tin for more information.

METALWORKS™ Tin

Lay-in, Tegular, and Nail-up

smooth texture

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches)	Fire Rating	Light Reflect (White Only)	Durable
					Wash Scrub Soil
METALWORKS Tin					
(L9) (L5)	56001	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Lay-in (T9) (T5)	56002	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Tegular (NU) Nail Up†	56003	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Tegular (NU) Nail Up†	56004	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
(L9) (L5)	56005	24 x 24" 24 x 48" (Nail-up)**	Class A	0.77	• • •
9/16" Lay-in (NU) Nail Up†	56006	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Lay-in (NU) Nail Up†	56007	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Lay-in (NU) Nail Up†	56008	24 x 24" 24 x 48" (Nail-up)	Class A	0.77	• • •
9/16" Lay-in (NU) Nail Up†	56009	24 x 24" 24 x 48" (Nail-up*)	Class A	0.77	• • •
Coffers					
15/16" Lay-in	6661B1L5	24 x 24" Coffer	Class A	0.77	• • •
15/16" Lay-in	6662B1L5	24 x 24" Coffer	Class A	0.77	• • •

Dots represent high level of performance.

Perforation	% Open Area	NRC
B1	0%	-
B3	1.5%	0.25 0.85*

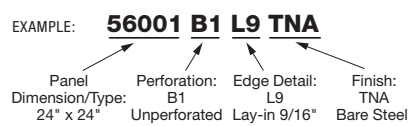
* NRC 0.85 with optional fiberglass infill (item 8200100) when using Lay-in or Tegular panels (not applicable for Nail-up).

ACCESSORIES
For accessories, including cornices, clips and perimeter trim, refer to pgs. 101-102.

COLORS AND PERFORATIONS

Panels White (WH) Chrome (TAM) Bare Steel (TNA) Lacquered Steel (TLS) Copper (TCP)	Suspension System White (WH) Mirror (AM) Silver Stain (SA) Gun Metal Grey (MY) Bronze (BZ) Copper (CP)
--	---

* When specifying or ordering, include the appropriate 2-letter edge detail, 2-letter perforation, and 3-letter color suffix with the item number.
For example: 56001B1L9TNA is item 56001 Unperforated 9/16" Lay-in Bare Steel.
For Coffers items, include 3-letter color suffix only (TWH, TNA, TLS).
† Nail-up panel unperforated only
** Larger scale available as an option custom item 6577
NOTE: Field painting extra microperforated panels will affect acoustical performance.



SUSPENSION SYSTEM (See pg. 259 for Prelude XL components. See pg. 259 for Suprafine XL components.)

15/16"	Prelude® XL®
9/16"	Suprafine® XL®

PHYSICAL DATA

Material
Steel – thickness .010"
For Chrome and Copper panels:
Aluminum – thickness .020"

Surface Finish
Copper and Chrome – plated
Bare Steel – unfinished
White – factory-applied powder-coated finish
Lacquered Steel – factory-applied lacquered finish

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
Class A per IBC.

ASTM E1264 Classification
Fire Class – Class A
Unperforated steel ceiling panels – Type XX, Pattern J, Z
Perforated steel ceiling panels – Type XX, Pattern C, J, Z

Design Considerations
As a result of the strain put on panels when they are embossed, you may find it necessary to use hold down clips (item 5600HDC) to keep the panels flat in the suspension system. Due to the natural characteristics of Lay-in and Tegular edges on this tin product, panels may not lay flush.
MetalWorks Tin panels are produced from steel or aluminum and are designed to emulate an antique-type visual. Periodic "wrinkles" or dents may cause panels to appear not to be flat; these characteristics add to the antique effect and are not considered manufacturing defects.
Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These panels are clear lacquered on both sides and come with plastic PVC to prevent scratching. See armstrong.com/tin for more details.

Recommended Suspension System
9/16" Suprafine® XL®
15/16" Prelude® XL

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
Steel – 0.45 lbs/SF;
Coffers – 0.52 lbs/SF
Aluminum – 0.38 lbs/SF





METALWORKS™ TorsionSpan™

Custom Ceiling Systems

smooth texture



Mitered 90 degree corner in MetalWorks™ TorsionSpan™ in Whitelume



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: metalworks
torsionspan

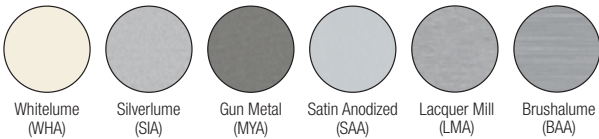
KEY SELECTION ATTRIBUTES

- Large panels span the entire length of the corridor
- Monolithic visual with 100% swing down accessibility
- 24" wide panels with custom lengths up to 120"
- Reflections™ laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)
- Multiple design options for turning 90 degree corners
- Unique installation reduces wires required to support the suspension system
- Seismic tested and approved
- Durable – Washable, Scrubbable, Impact-resistant, Soil-resistant
- For more information, call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

MetalWorks

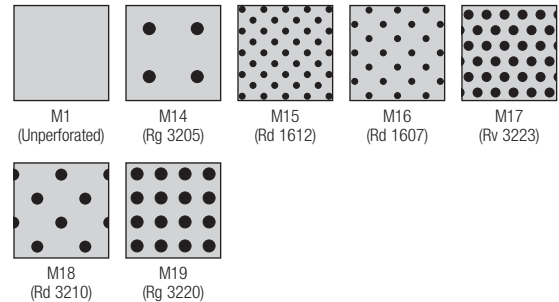


Reflections Laminate Finishes



PERFORATION OPTIONS

(1:2 scale shown)



Pictured on cover: MetalWorks TorsionSpan in Whitelume

METALWORKS™ TorsionSpan™

Custom Ceiling Systems

smooth texture

UP TO **98%** RECYCLED CONTENT

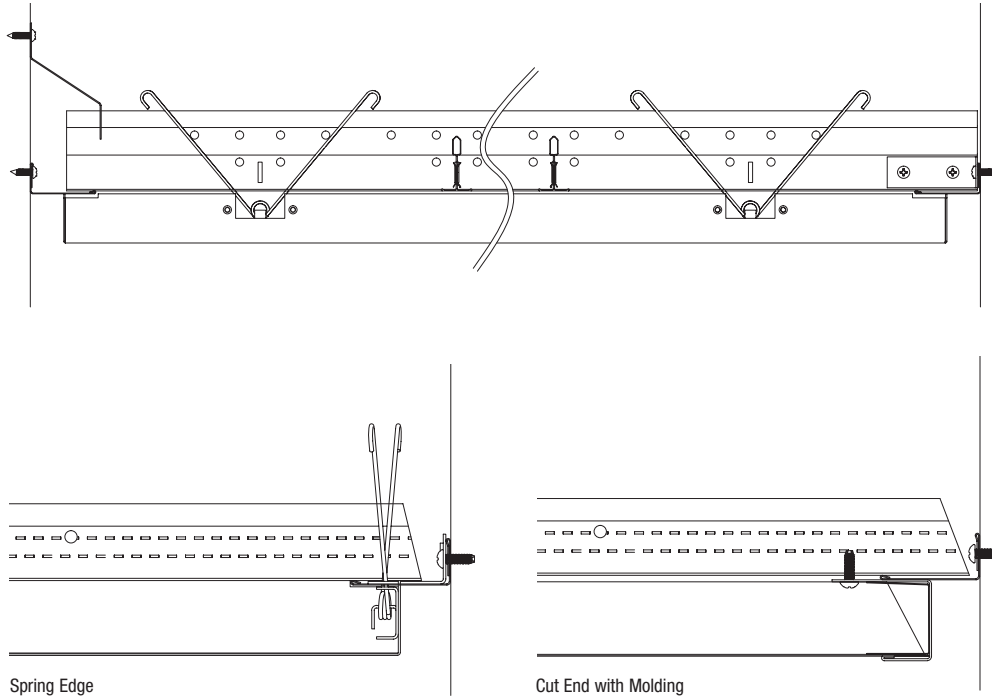
LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

STRAIGHT WALL CONDITION



COLORS AND PERFORATIONS

MetalWorks

Whitelume (WHA)
Silverlume (SIA)
Gun Metal (MYA)

Satin Anodized (SAA)
Lacquer Mill (LMA)
Brushalume (BAA)

Reflections™

Laminate Finishes

Arctic Maple (LAM)
Natural Maple (LNMPIE)
Rock Maple (LRM)

Light Cherry (LLC)
Natural Oak (LNOIE)
Pecan (LPC)

Wild Cherry (LWC)
Mineral Forest (LMF)
Walnut (LWN)

M1 (Unperforated)
M14 (Rg 3205)
M15 (Rd 1612)
M16 (Rd 1607)

M17 (Rv 3223)
M18 (Rd 3210)
M19 (Rg 3220)

PHYSICAL DATA

Panel Dimensions

Panel dimensions: 24" wide with custom lengths up to 120". Our Armstrong Architectural Specialties project management team is available to assist in project design.

Material

Aluminum – thickness 0.040".

Surface Finish

Painted finishes: Factory applied polyester paint
Laminates: Vinyl-faced membrane

Fire Performance

Painted aluminum finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics: Flame Spread Rating 20. Smoke Developed Classification 0.

Painted Aluminum finishes CAN/ULC S102 surface burning characteristics: Flame Spread Rating 0. Smoke Developed Classification 0.

Laminate finish tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

Acoustical Options

Perforated custom panels are supplied with a black fleece to absorb sound.

Recycled Content

Minimum 25%. Up to 98% recycled content available.

Design Consideration

MetalWorks steel and aluminum panels are made at different manufacturing facilities that use different paint systems.

Because of this, similar colors (i.e., White and Whitelume) are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.

Installation Consideration

Due to the length of the panels in this system, two or more people must handle each panel during installation to avoid kinking.

Design Support

Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Warranty

Warranty details at armstrong.com/warranty



METALWORKS™ Torsion Spring

Flat & Curved Custom Ceiling Systems

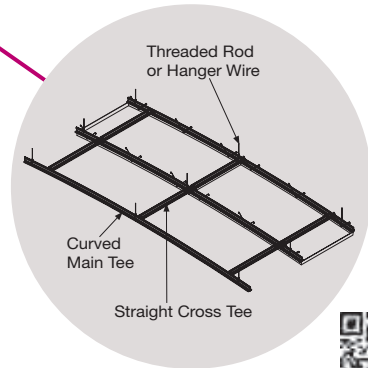
smooth texture



MetalWorks Torsion Spring, Custom Curved Panels in Whitelume

KEY SELECTION ATTRIBUTES

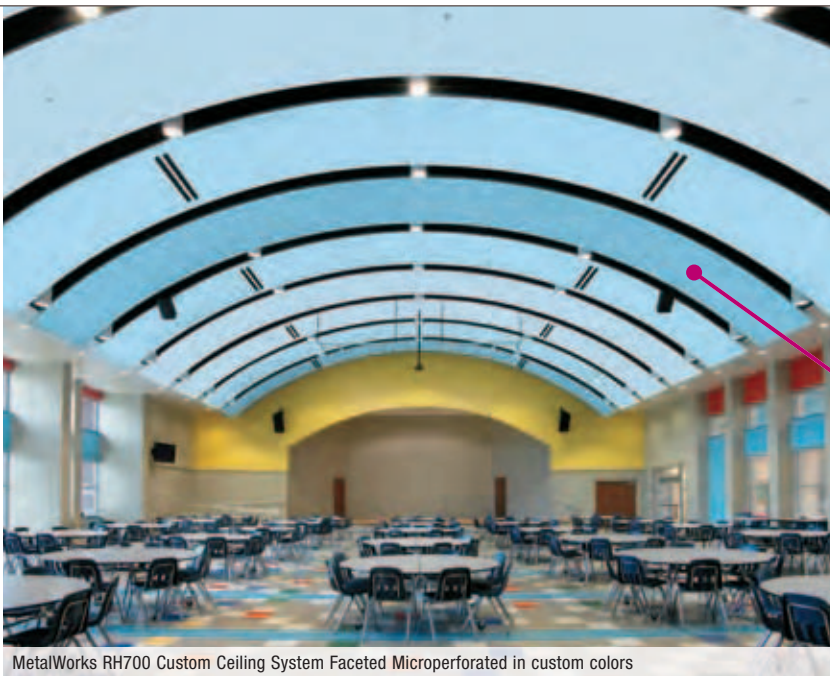
- 100% downward accessible
- Butt edge detail; reveal and center scoring options available
- Custom size capabilities ranging from a minimum 12" width up to 120" length
- Cutouts for recessed lights and sprinklers available
- Wide variety of perforations and color options



METALWORKS™ DH700

Flat & Faceted Custom Ceiling System

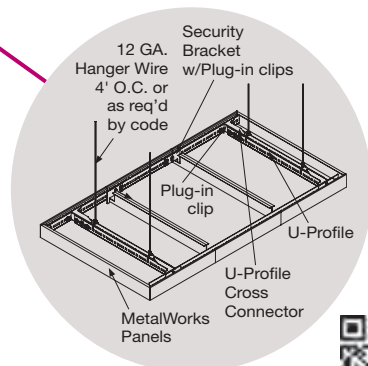
smooth texture



MetalWorks RH700 Custom Ceiling System Faceted Microperforated in custom colors

KEY SELECTION ATTRIBUTES

- Concealed suspension ideal for cloud applications
- Accessible system utilizes U-profile and hook-on panels
- Panel length or width up to 120" dimension
- Wide variety of perforations and colors
- Curved suspension available



Visit our web site or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team on custom projects.

METALWORKS™ RH200

Interior & Exterior Custom Ceiling Systems

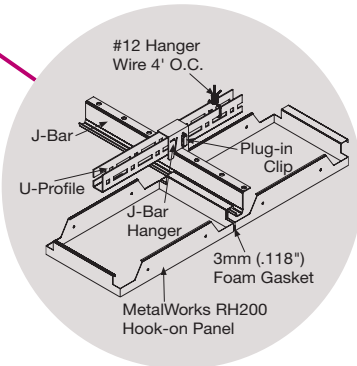
smooth texture



MetalWorks RH200 Custom Ceilings and Custom Metal Walls, unperforated and with RV 2532 perforation in Custom RAL 9010

KEY SELECTION ATTRIBUTES

- Most versatile interior and exterior custom system for metal planks
- 100% downward accessible without tools
- Available in steel and aluminum
- 3mm reveal joint detail with a variety of perimeter options
- Panel dimensions range from 9" – 24" wide and up to 96" long. Other sizes available.
- Factory cutouts available
- Seismic approved



METALWORKS™ RH200

Curved Custom Ceiling System

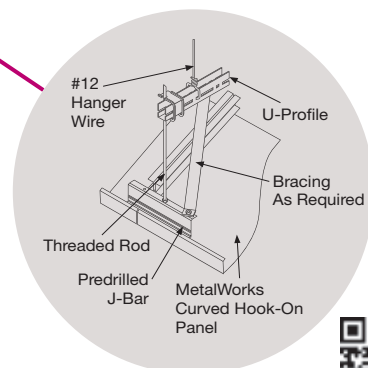
smooth texture



MetalWorks RH200 Custom Curved Ceiling System Extra Microperforated in White

KEY SELECTION ATTRIBUTES

- Curved metal panels can be convex or concave
- Fully accessible without tools
- Tight or reveal joint detail
- Panels perforated for acoustics with optional White fleece for lighting effects
- Factory cutouts available
- Seismic approved



METALWORKS™ Fastrack

Custom Ceiling System

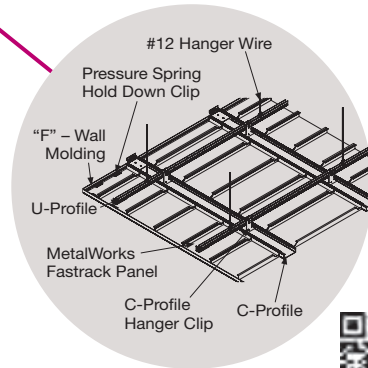
smooth texture



MetalWorks Fastrack Custom Ceiling System Microperforated in Silver Grey

KEY SELECTION ATTRIBUTES

- Fast and easy to install exposed linear suspension system
- Modular system for easy lighting design and flexibility
- Fully accessible panels, minimal suspension system obstructions
- Swing down panel options available
- C-profile widths from 4" up to 12"
- Color and surface is identical on visible suspension and infills
- Seismic approved



METALWORKS™ Tartan

Custom Ceiling System

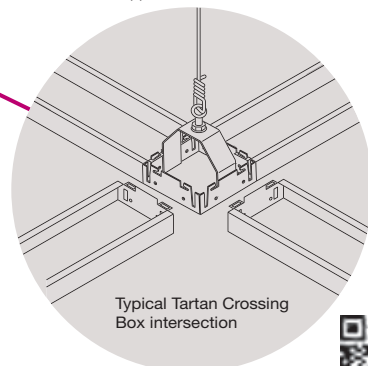
smooth texture



MetalWorks Tartan Custom Ceiling System in Silver Grey

KEY SELECTION ATTRIBUTES

- Modular system offers easy integration of lighting, HVAC, and sprinklers
- Hook-on suspension based on crossing boxes and C-profiles
- Available in 4", 6", 8", and 12" widths
- Factory-cut openings in crossing boxes are ideal installation points for a variety of elements
- Tartan modules may be filled with rectangular, trapezoidal, or square panels
- Color and surface is identical on visible suspension and infills
- Seismic approved



Visit our web site or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team on custom projects.

METALWORKS™ RH215

Flat & Faceted Custom Ceiling Systems

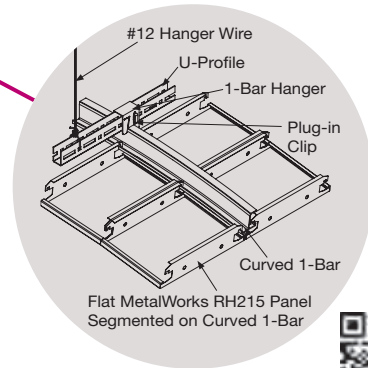
smooth texture



MetalWorks RH215 Custom Ceiling System with Rd 1522 perforation in Custom RAL 7024 finish

KEY SELECTION ATTRIBUTES

- Cost-effective solution for a curved look with flat panels faceted on a curved suspension system
- Utilizes a curved 1-bar suspension system with rectangular hook-on (RH) panels
- Downward accessible without tools
- Typical panel dimensions range from 9" – 24" wide and up to 96" long
- Seismic approved



METALWORKS™ Radial

Custom Ceiling System

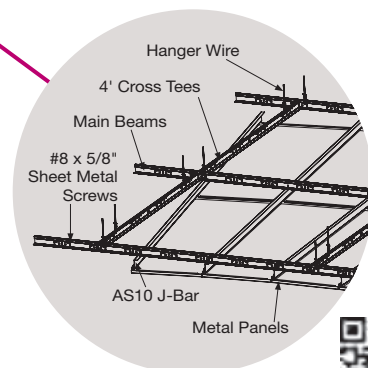
smooth texture



MetalWorks Radial RH200 Custom Ceiling System with Rd 1522 perforation in Silver Grey

KEY SELECTION ATTRIBUTES

- Trapezoidal panels create radial effect
- System typically utilizes the RH200 J-bar and RH215 suspension systems
- 100% downward accessible
- NRC 0.65 – 0.90 available for perforated panels
- Seismic approved
- Radial systems also available in custom WoodWorks® (page 131) and custom Optima® fiberglass (pages 205-206)



METALWORKS™ Trim and Accessories

TRIM Required clips must be ordered separately, see pg. 102.

Item Number*	Description	Dimensions (Inches) Nominal L x W x H	Colors	Pcs./Ctn.
AX2STR__	Axiom® Classic Trim – 2" Straight	120 x 3/4 x 2"	WH, SG, MY, BL	–
AX4STR__	Axiom Classic Trim – 4" Straight	120 x 3/4 x 4"	WH, SG, MY, BL	–
AX6STR__	Axiom Classic Trim – 6" Straight	120 x 3/4 x 6"	WH, SG, MY, BL	–
5342_____	2" Effects™ Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN	6
5344_____	4" Effects Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN	6
5346_____	6" Effects Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN	6
7125____	Box Molding (for Laminates, Black is recommended)	96 x 2 x 1-1/2"	WHA, SIA, MYA, SAA, LMA, BAA, BL, NHP, NLC, NDC	10
7147____	Torsion Spring Perimeter Trim (Extruded)	120 x 1 x 4"	WH, SG, MY, BL, NMP, NLC, NDC	6
7131____	Torsion Spring Perimeter Trim (Formed)	96 x 1 x 4-1/4"	LMA, BAA, SAA	10
7800__*	144" Hemmed Angle Molding	–	–	30
7835__*	120" Hemmed Channel Molding	–	–	20
7835SC	Spreader Bar for Channel Molding	–	–	150
7870	Spring Border Clip	–	–	1000



For information on additional Axiom Perimeter Trim options and accessories see pgs. 278-297.

* When specifying or ordering, include the appropriate 2-, 3-, or 4-letter color suffix with the item number (e.g., AX2STR W H, 7125 W H A, or 5342 E X C H).

NOTE: Effects Wood Looks Trim cartons include FXSPICE plates and FXTBC clips.

TRIM COLORS (Custom and RAL colors available.)

White (WH)
Silver Grey (SG)

Gun Metal Grey (MY)
Black (BL)

Satin Anodized (SAA)
Lacquer Mill (LMA)
Brushalume (BAA)

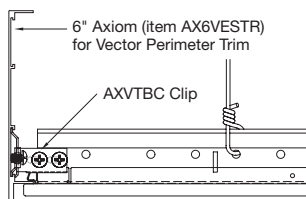
Effects Maple (FXMP)
Effects Cherry (FXCH)

Effects Dark Cherry (FXDC)
Effects Walnut (FXWN)

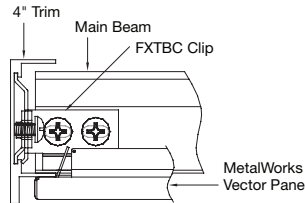
Whitelume (WHA)
Silverlume (SIA)
Gun Metal (MYA)

PureWood™ Veneers
NV Maple (NMP)
NV Light Cherry (NLC)
NV Dark Cherry (NDC)

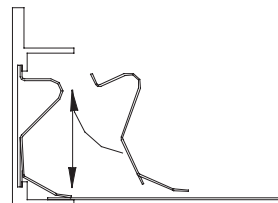
DETAIL



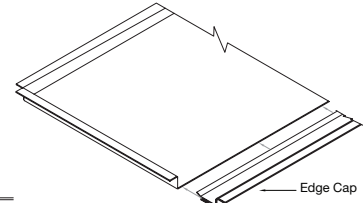
Axiom® Vector Trim



Effects Trim



Effects Hold Down Clip (Item FXSPTHDC) for Use with Cut MetalWorks Tegular and Vector Panels

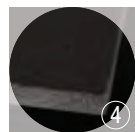
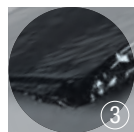


Edge Cap (Item 6096) Application for Cut MetalWorks Tegular and Vector® Panels

INFILL PANELS

Item Number	Description	Dimensions (Inches)	Colors	Pcs./Ctn.
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12
1728BL	Fine Fissured™ Square Lay-in Panel	24 x 24 x 5/8"	Black	16
770	Cortega® Square Lay-in Panel	24 x 24 x 5/8"	White	8






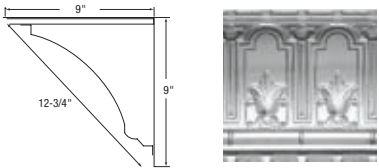
DETAIL



1. BioAcoustic Infill Panel – Beige
2. BioAcoustic Infill Panel – Black
3. 1" Fiberglass Infill Panel
4. Fine Fissured Square Lay-in Panel
5. Cortega Square Lay-in Panel

METALWORKS™ Trim and Accessories

TIN CORNICES – STANDARD FOR USE WITH METALWORKS TIN (Nail-up panels only)

Item Number*	Description	Dimensions (Inches)	Color	Pcs./Ctn.	
56051_ _ _	Corner Molding	1-1/2 x 2-1/8 x 48"	See below	–	
56053_ _ _	Corner Molding	1-7/8 x 1-7/8 x 48"	See below	–	
56052_ _ _	Corner Molding	3 x 3 x 48"	See below	–	
56054_ _ _	Corner Molding	4-1/2 x 4-1/2 x 48"	See below	–	
56055_ _ _	Corner Molding	6-1/8 x 6-1/8 x 48"	See below	–	
56056_ _ _	Corner Molding	9 x 9 x 48"	See below	–	
5600_ _ _	Conehead Nails (installs up to 200 SF per carton)	1-1/4"	See below	–	
5600HDC	Tin Hold Down Clips	–	–	200	

* When specifying or ordering, include the appropriate 3-letter color suffix with the item number (e.g., 56051I A M)

CORNICES COLORS

White (TWH) Bare Steel (TNA) Copper (TCP)
 Chrome (TAM) Lacquered Steel (TLS) Brass (TAR)

ACCESSORIES

Item Number	Description	Dimensions (Inches)	Colors	Pcs./Ctn.
Panel Accessories				
6096_ _ *	15/16" Edge Cap for Cut 5/16" Tegular Panels***	Nominal 24"	WH, SG, MY, BL	50
6099_ _ *	9/16" Edge Cap for Cut 5/16" Tegular Panels***	Nominal 24"	WH, SG, MY, BL	50
6098_ _ *	Vector® Edge Cap for Cut Panels	Nominal 24"	WH, SG, MY, BL	50
84008_ _ *	Vector Single-Slot Air Diffuser	24 x 24"	WH, SG, MY, BL	1
Trim Accessories				
FXSPLICE	2" Splice Plate w/Set Screws	–	N/A	10
FXS4PLICE	4" Splice Plate w/Set Screws	–	N/A	10
FXSPTHDC	Effects™ Hold Down Clip for Cut Panel Installations	–	–	10
AXTBC/FXTBC	Axiom/Effects™ T-Bar Connector Clip	–	N/A	10
AXVTBC/FXVTBC	Axiom/Effects™ Vector T-Bar Connector Clip	–	–	10
7126	Box Molding Spreader Hold Down	1 x 10-5/8 x 1-1/2"	–	10

* When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6096 M Y).

*** End caps in White, Silver Grey, Gun Metal Grey, and Black (for Effects finishes) only.

ACCESSORIES COLORS

White (WH) Gun Metal Grey (MY)
 Silver Grey (SG) Black (BL)



HOW WOODWORKS® CEILINGS COMBINE BEAUTIFUL DESIGN WITH GREAT ACOUSTICS

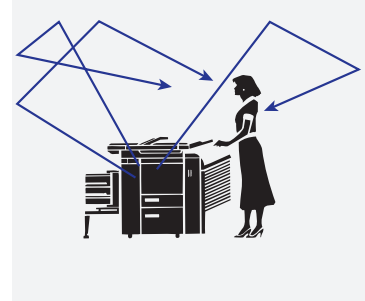
NRC

Noise Reduction Coefficient (NRC)

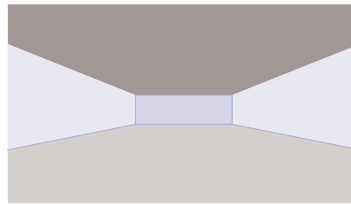


A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC <math>< 50</math> is considered low, whereas one with NRC > 70 is considered high performance.

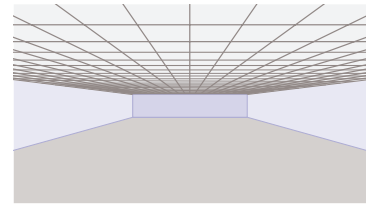
NRC is important in any closed space where reverberation time and noise levels are an issue.



Exposed Structure



Continuous Ceiling



OPEN PLAN BUILDING 5,000 SF
Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet

No Treatment
(0% Coverage)

Continuous WoodWorks Ceiling
with W4 Perforation and
acoustical infill

Ceiling	Exposed Structure	Suspended 60" Below Deck
NRC	0	0.65
Reverberation Time (RT)	3.4 sec	0.6 sec
RT Improvement	ref	83%
SPL Reduction (dB)	ref	-5.0

For definitions of acoustical terms, see page 333 in this catalog.

Be Sure You Get the Acoustic Values You Specify

UL Classified Acoustics Since 1998

Armstrong carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.

CLASSIFIED ACUSTICAL MATERIAL CLASSIFIED

UL

UL

UL

UL

BP 3251A

Optima®, Square Tegular Humiguard® Plus

WHITE 24 in x 24 in x 1 in (nominal)
610 mm x 610 mm x 25 mm (nominal)

BLANCO 96 sq ft (8.92 m²)

BLANC 24 pieces
24 pieces
24 pieces

9/16"
15 mm

This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

woodworks radial

WoodWorks® Radial Custom Ceiling System unperforated in Cherry Quartered
Rutgers University Livingston Dining Commons, Piscataway, NJ
The Biber Partnership, Summit, NJ



WOODWORKS

WOODWORKS® Standard Ceilings

At-a-Glance

WOODWORKS STANDARD CEILINGS



WoodWorks Concealed pgs. 111-112



WoodWorks Vector® pgs. 113-114



WoodWorks Tegular pgs. 113-114



WoodWorks Channeled Tegular pgs. 115-118



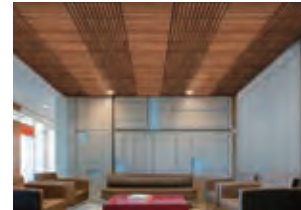
WoodWorks Channeled Vector pgs. 115-118



WoodWorks Channeled Plank pgs. 115-118



WoodWorks Grille Backer & Dowel pgs. 119-122



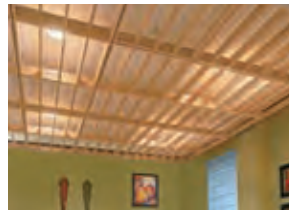
WoodWorks Grille Tegular pgs. 119-122



WoodWorks Linear Panels pgs. 123-128



WoodWorks Linear Planks pgs. 123-128



WoodWorks Open Cell pgs. 129-130



WoodWorks Canopies (Featured in Clouds & Canopies) pg. 55



WOOD LOOKS CEILINGS



MetalWorks™ Effects™ Wood Looks (Featured in Metal Ceilings) pgs. 79-82



Lineage™ Wood Looks pg. 137



Ultima Health Zone™ Create!™ Wood Looks (Featured in Mineral Fiber Ceilings) pgs. 165-167



WOODWORKS® Standard Walls & Custom Ceilings / Walls At-a-Glance

WOODWORKS STANDARD WALLS (Details in Walls Section)



WoodWorks Walls (Featured in Walls) pgs. 317-319



WoodWorks™ Ekos® Wall System (Featured in Walls) pg. 320



WoodWorks Channeled Wall Planks (Featured in Walls) pgs. 321-323



CUSTOM CEILINGS AND WALLS



WoodWorks Access™ Flat Systems pg. 131



WoodWorks Access Curved Systems pg. 132



WoodWorks Radial Systems pg. 133



WoodWorks Premium Ceiling Option.. pg. 134



WoodWorks Custom Canopies (Featured in Clouds & Canopies) pg. 55



WoodWorks Custom Walls (Featured in Walls) pgs. 317-319



WOODWORKS CEILING-TO-WALL TRANSITIONS



WoodWorks Channeled pgs. 115-118



WoodWorks Grille Backer & Dowel pgs. 119-122



WoodWorks Linear pgs. 123-128



ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics

Acoustical options available.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Product has CAC (Ceiling Attenuation Class) of 38 or higher.

Fire Performance

Class A

Seismic

Category D, E & F

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity.

Scrubability

Product is scrubable. See specific info on product page. Can withstand up to 150 scrub cycles.

Impact Resistance

Excellent resistance to surface impact.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Plenum Access

Downward access for panels minimizes panel damage.

Color Availability

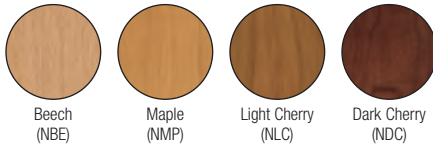
Available in color.

WOODWORKS® Standard Ceilings

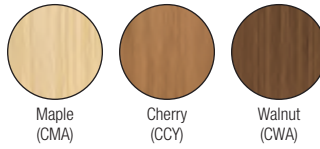
Standard Finishes

COMPOSITE WOOD PANEL VENEERS

Natural Variations™ (Real Wood Veneers)



Constants™ (Real Wood Veneers)



Bamboo (Rapidly Renewable)



Images Finishes™ (High Quality Printed Finishes)



NOTE: WoodWorks custom panels can be made from any standard WoodWorks veneer.

COMPOSITE WOOD PANELS

	Concealed	Tegular	Vector®	Channeled	Linear	Linear Panels
Real Wood Veneers						
NATURAL VARIATIONS						
Beech	✓	✓	✓		✓	✓
Maple	✓	✓	✓	✓	✓	✓
Light Cherry	✓	✓	✓	✓	✓	✓
Dark Cherry	✓	✓	✓	✓	✓	✓
CONSTANTS						
Maple	✓	✓	✓		✓	✓
Cherry	✓	✓	✓		✓	✓
Walnut	✓	✓	✓		✓	✓
BAMBOO						
Patina	✓	✓	✓	✓	✓	✓
Native	✓	✓	✓	✓	✓	✓
Images™ Printed Finishes						
Maple				✓		
Light Cherry				✓		
Dark Cherry				✓		

SOLID WOOD PANEL FINISHES



SOLID WOOD PANELS

	Grille	Grille Tegular	Linear Planks	Open Cell
Grille Maple	✓	✓	✓	✓
Grille Light Cherry	✓	✓	✓	✓
Grille Dark Cherry	✓	✓	✓	✓
Grille Walnut	✓	✓	✓	✓

WOODWORKS® Ceilings

Standard Perforations

Key for Perforation Names (Example – Rg 6006)

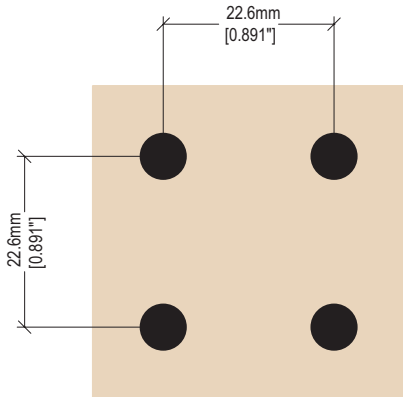
R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
60	Diameter of hole size in mm (Example – 6 mm)
06	% open area

COMPOSITE WOOD PERFORATIONS – CONCEALED, TEGULAR & VECTOR®

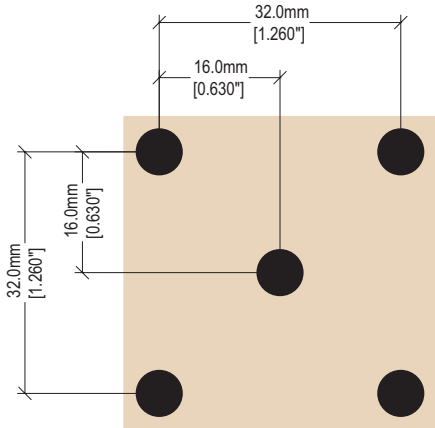
Standard Perforations Actual 1:1 scale shown unless otherwise noted.



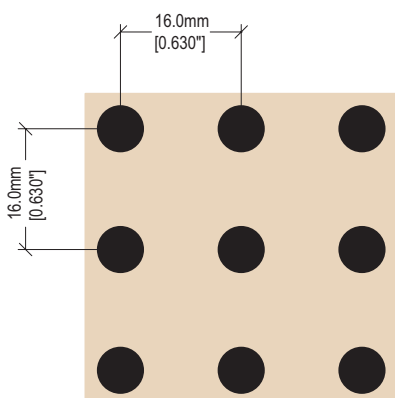
W1 Type: Unperforated
Hole Size: 0mm [0"]
% Open Area: 0%



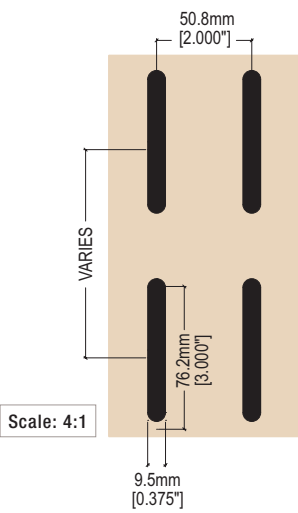
W2 (Rg 6006) Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 6.0%



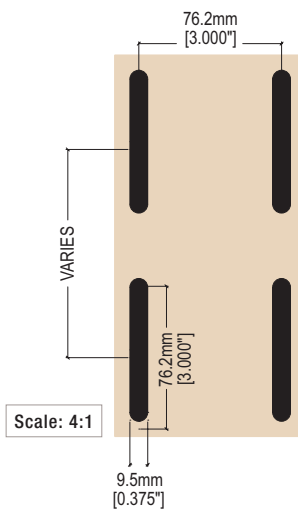
W3 (Rd 6006) Type: Round Diagonal
Hole Size: 6.0mm [.236"]
% Open Area: 6.0%



W4 (Rg 6011) Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 11.0%

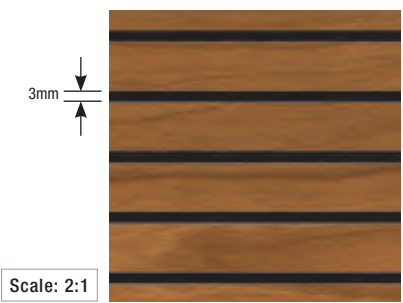


W5 (Lg 9512) Type: Oval Straight
Hole Size: 76.2mm x 9.5mm [3.0" x .375"]
% Open Area: Varies

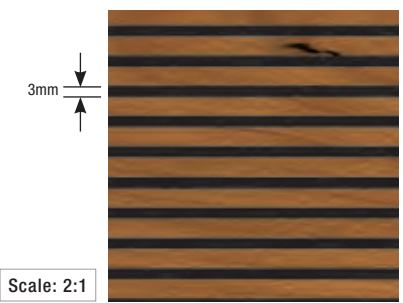


W6 (Lg 9508) Type: Oval Straight
Hole Size: 76.2mm x 9.5mm [3.0" x .375"]
% Open Area: Varies

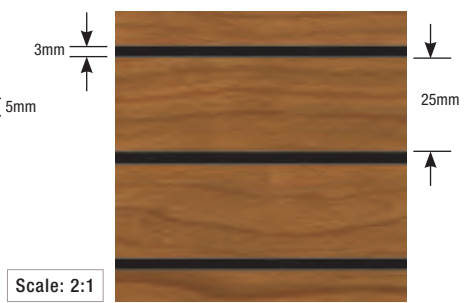
COMPOSITE WOOD PERFORATIONS – CHanneLED



W7 Type: Channeled
Groove Size: 13mm profile with 3mm groove



W8* Type: Channeled
Groove Size: 5mm profile with 3mm groove



W9 Type: Channeled
Groove Size: 25mm profile with 3mm groove

* Not available in Images™ Finishes.

WOODWORKS® Upgrade Ceiling Options

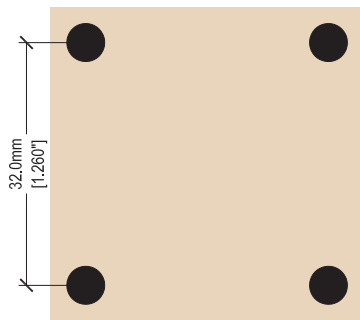
Take our standard WoodWorks products in standard sizes, and make them distinctively yours by choosing from a variety of custom veneers (including FSC®-certified options) and/or perforations.

CUSTOM VENEERS (PARTIAL LIST)

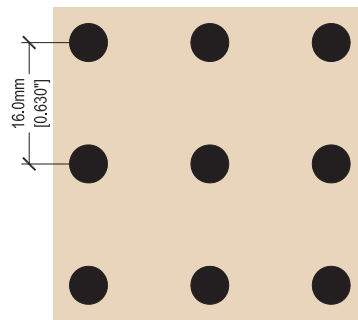
In addition to standard veneers, custom veneers and continuous upturn options are available on some WoodWorks products. The following is a representation of some custom veneers used on recent projects. Veneer management is available to provide many other custom veneer options and to coordinate with millwork or other interior finishes.



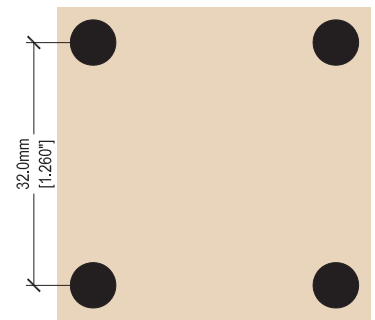
CUSTOM PERFORATIONS Actual 1:1 scale shown



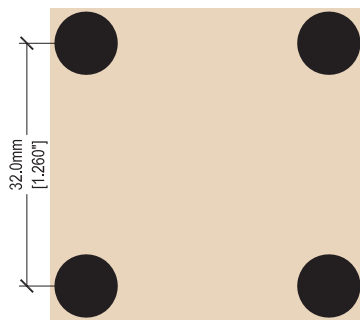
Rg 5002 Type: Round Straight
Hole Size: 5.0mm [.197"]
% Open Area: 2.0%



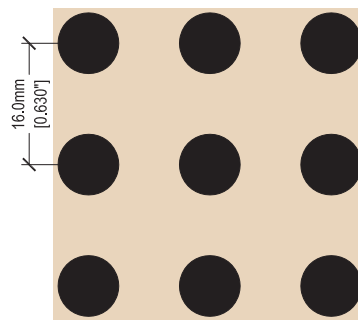
Rg 5008 Type: Round Straight
Hole Size: 5.0mm [.197"]
% Open Area: 8.0%



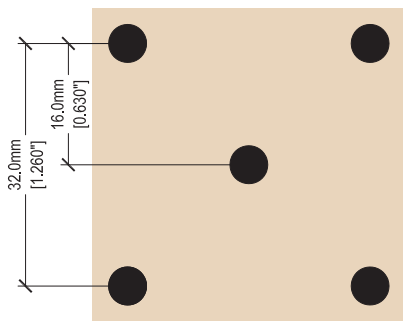
Rg 6003 Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 3.0%



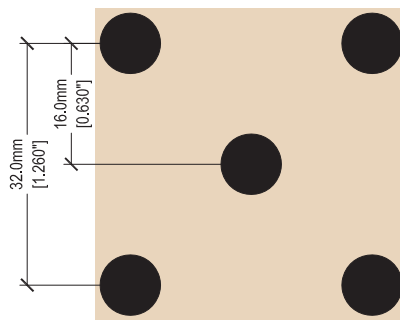
Rg 8005 Type: Round Straight
Hole Size: 8.0mm [.315"]
% Open Area: 5.0%



Rg 8020 Type: Round Straight
Hole Size: 8.0mm [.315"]
% Open Area: 20.0%



Rd 5004 Type: Round Diagonal
Hole Size: 5.0mm [.197"]
% Open Area: 4.0%



Rd 8010 Type: Round Diagonal
Hole Size: 8.0mm [.315"]
% Open Area: 10.0%

NOTE: Perforations not recommended for WoodWorks Custom Curved panels

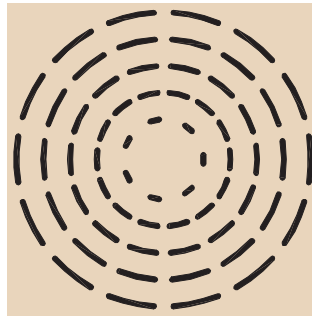
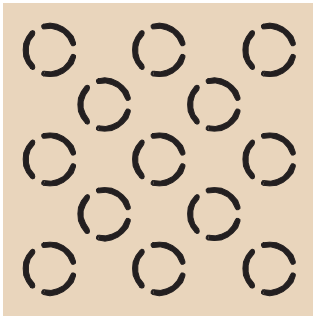
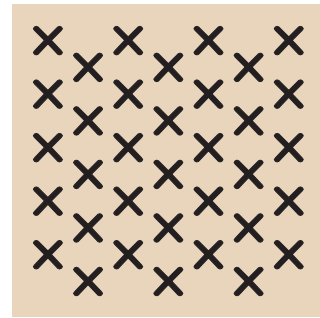
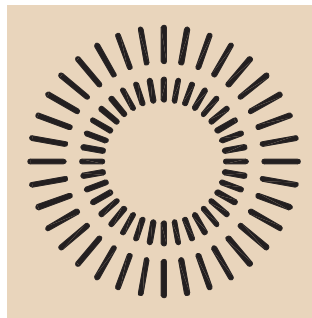
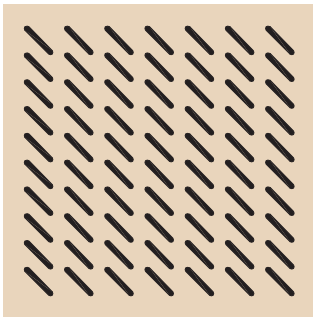
WOODWORKS® Custom Ceiling Options

WORK WITH OUR ARCHITECTURAL SPECIALTIES TEAM TO DESIGN TRULY UNIQUE CEILINGS

Options include:

- Curved or Radial design
- Larger or non-standard sizes
- Custom capabilities
- Standard or custom veneer finish options

CUSTOM PERFORATION CAPABILITIES Examples represent visual on a 2' x 2' panel



Architectural Specialties will help you with your creation from start to finish. Contact the project management team at 1 877 ARMSTRONG and select options 1-1-4.

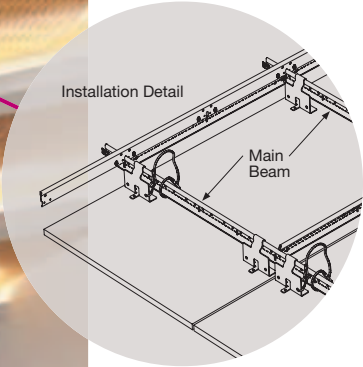
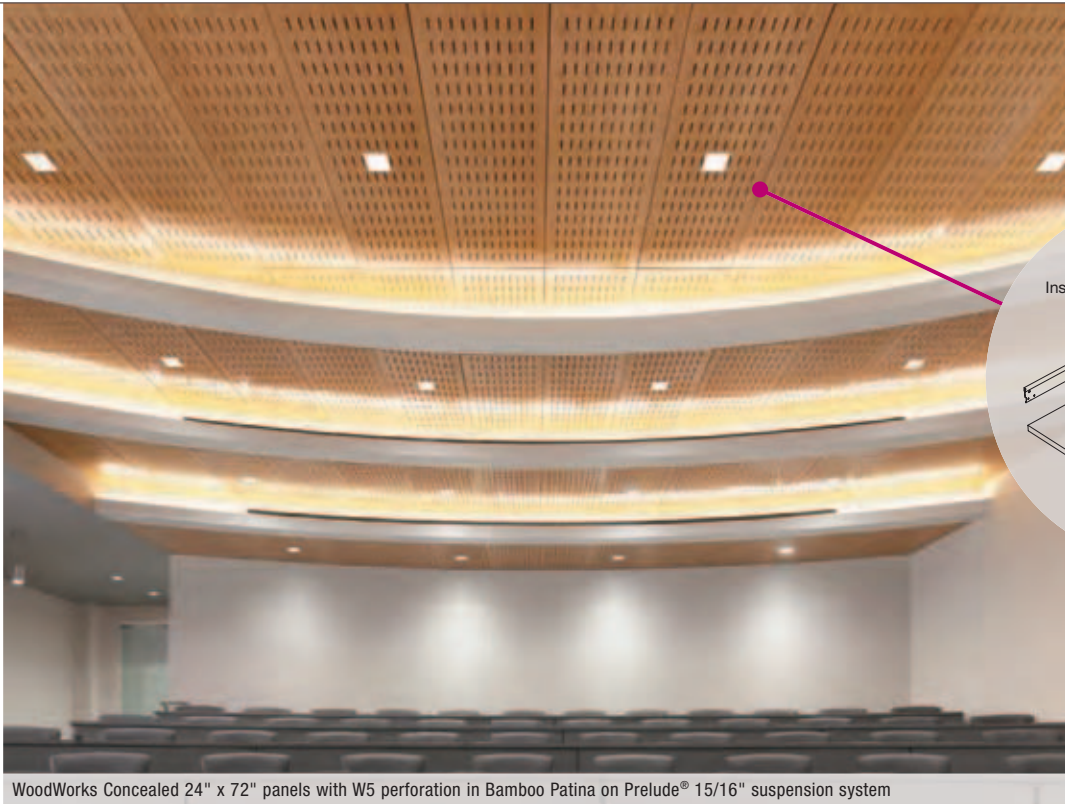
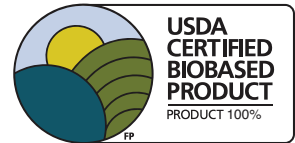
WOODWORKS®

Concealed Suspension

Natural Variations™, Constants™, and Bamboo



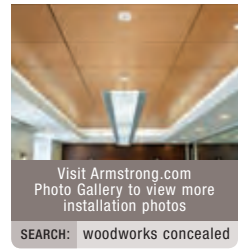
The mark of responsible forestry



WoodWorks Concealed 24" x 72" panels with W5 perforation in Bamboo Patina on Prelude® 15/16" suspension system

KEY SELECTION ATTRIBUTES

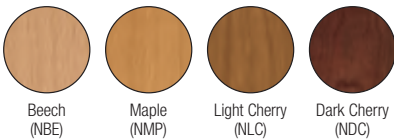
- Mix and match three standard panel sizes on the same project
- Narrow 1/4" reveal visual
- Create continuous looks and clouds with 6" aluminum trim available in six coordinating wood finishes or black
- Coordinating WoodWorks walls (see pages 317-319 for wall offering)
- Hook-on panels (for standard 15/16" suspension) provide safe and secure downward accessibility
- Shorter lead times and lower cost than custom millwork
- Factory edge banded for superior quality
- California Air Resources Board (CARB) compliant*
- Complete standard system from one manufacturer (suspension system/panels/trim)



Visit Armstrong.com Photo Gallery to view more installation photos
SEARCH: woodworks concealed

VENEER SELECTION Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



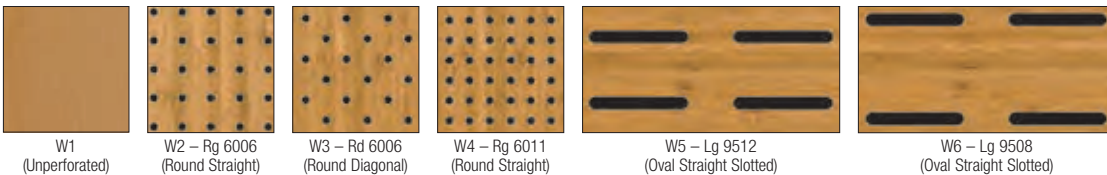
Constants (Real Wood Veneers)



Bamboo (Veneer is Rapidly Renewable)**



PERFORATION OPTIONS (Actual 1:6 scale shown)



NOTE: Slotted perforations run parallel to the length of the panel.
To view more perforation information and build swatches in real time, visit armstrong.com/swatchit

In addition to these standard options, there are other sizes and veneers available with WoodWorks Access™ Custom systems. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select options 1-1-4.

* Specified in Title 17 California Code of Regulations Section 93120.2(a)

** Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

WOODWORKS®

Concealed Suspension

Natural Variations™, Constants™, and Bamboo

92% RECYCLED CONTENT

EPD AVAILABLE

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches) Nominal W x L x H	Perforations	Fire Rating	Primary (Embodied) Energy	Perforation	NRC**	CAC**
FSC®-certified WOODWORKS Concealed						Below 11MJ/SF		
1/4" Reveal	5983 _ _ _ _ _	24 x 48 x 3/4"	W1, W2, W3, W4, W5, W6	Class A	•	W1	N/A	38
	5984 _ _ _ _ _	24 x 72 x 3/4"	W1, W2, W3, W4, W5, W6	Class A	•	W2	0.40	28
	5985 _ _ _ _ _	24 x 96 x 3/4"	W1, W2, W3, W4, W5, W6	Class A	•	W3	0.40	28
						W4	0.65	28
						W5	0.40	28
						W6	0.40	28

♦ When specifying or ordering, include the appropriate 2-digit perforation and 3-letter color suffixes. For veneers, sizes, and perforation patterns available as special order, call 1 877 ARMSTRONG and select options 1-1-4. To view more perforation information and build swatches in real time, visit armstrong.com/swatchit.

EXAMPLE: 5983 W2 NLC

- Panel Dimension/Type: 2' x 4' FSC-certified
- Perforation: W2 Round Straight Rg 6006
- Finish: Natural Variations Light Cherry

** Maximum NRC achieved with acoustical infill (item 8200100 or 5479). When infill is used, CAC is 28.

ACCESSORIES

Item Number	Description	Dimensions Nominal (Inches)	Color	Pieces/Carton
6603W1 _ _ _ *	WoodWorks Concealed Trim**	6 x 120"	Standard Veneers (see below) and Black (BL)	6
FXTCB	T-Bar Connector Clip	N/A	N/A	10
FX4SPICE	Splice Plate with Setscrews	N/A	N/A	10
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black	12
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
6408 _ _ _ *	Edge Banding	300 x 3/4"	Standard Veneers (see below)	1

♦ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 6408 N M P)
 ** Trim cartons include FXTCB Clips and FX4SPICE Plates.

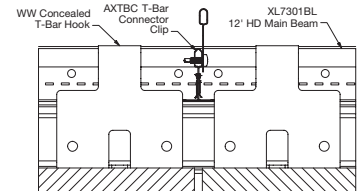
SUSPENSION SYSTEMS

When ordering suspension materials, please note that this product requires Prelude Heavy-duty (HD) Main Beams and 2' Cross Tees that are full height (1-11/16"). Both suspension components should be specified in Tech Black (BL).

15/16" Standard: Prelude® BL (Tech Black)

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5986	T-Bar Hook†	Nominal 4 x 2 x 3"	50
91070A244	Wood Screws	5/8"	100
6091	Safety Cable	24 x 3/32"	50
SH12	Support Hanger	144 x 2"	12

† For 24 x 48" panel, install 4 hooks; for 24 x 72" panel, install 6 hooks; for 24 x 96" panel, install 8 hooks. NOTE: 3 screws per hook.
 NOTE: Refer to installation instructions at armstrong.com/installation for a better understanding of suspension requirements.



Installation Detail - WoodWorks Concealed Ceiling System

COLORS AND PERFORATIONS

NV Beech (NBE)	NV Light Cherry (NLC)	Constants Maple (CMA)	Constants Walnut (CWA)	Bamboo Native (BAN)	W1 (Unperforated)	W3 (Rd 6006)	W5 (Lg 9512)
NV Maple (NMP)	NV Dark Cherry (NDC)	Constants Cherry (CCY)	Bamboo Patina (BAP)		W2 (Rg 6006)	W4 (Rg 6011)	W6 (Lg 9508)

PHYSICAL DATA

Material
 FSC-certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfsfc
 6603 - Face-cut veneer or black paint on aluminum laminate substrate

Surface Finish
 Clear or tinted semigloss coating

Fire Performance
 ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
 CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
 Composite - Fire Class A

Primary (Embodied) Energy
 See all LCA information on our EPD's.

Application Considerations
 Variation among panels may occur due to the natural characteristics of the wood and grain.
 Use of large wood panels may result in deflection up to 1/8" and alignment inconsistency due to size and ambient conditions.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Design Considerations
 For additional configuration ideas, refer to the WoodWorks Concealed Technical Guide, BPCS-4274, or visit armstrong.com/woodworks

Do not mix different panel sizes with slotted perforations. Perforation borders will not align. The use of Armstrong Prelude suspension system is strongly recommended. Cloud installations less than 6' wide are not recommended.

Specification Consideration
 Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
 These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F

Warranty
 Warranty details at armstrong.com/warranty

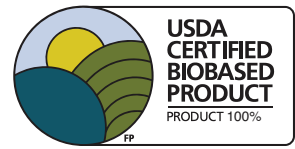
Weight/Square Feet
 5983, 5984, 5985 - 2.75 lbs/SF; bulk packaged per order. Suspension, hardware, and accessories ordered separately.



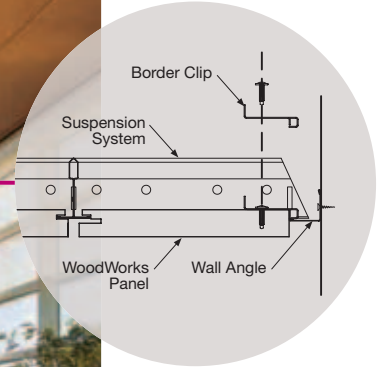
WOODWORKS®
Tegular and Vector®
 Natural Variations™, Constants™, and Bamboo



The mark of responsible forestry

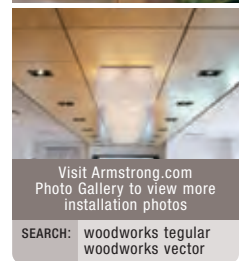


WoodWorks Vector – Rg 5008 Perforation in Custom White Oak Rift



KEY SELECTION ATTRIBUTES

- Choose from a variety of standard panel sizes and standard perforation options to enhance acoustical performance and design aesthetics
- Vector edge detail provides safe and secure downward accessibility without tools and narrow reveal visual (1/4")
- Create upturns for continuous visuals and clouds with WoodWorks Trim (see pages 135-136 for trim options)
- Coordinating WoodWorks walls available (see pages 317-319 for wall offering)
- 18" x 18" Tegular infill panels now available for Metaphors® Coffers; for details, visit armstrong.com/metaphors
- Installation with minimum plenum clearance (Vector)
- Shorter lead times and lower cost than custom millwork
- California Air Resources Board (CARB) compliant*

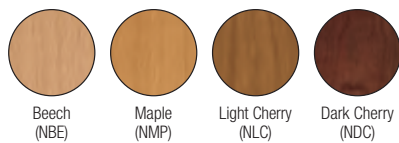


Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: woodworks tegular woodworks vector

VENEER SELECTION Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



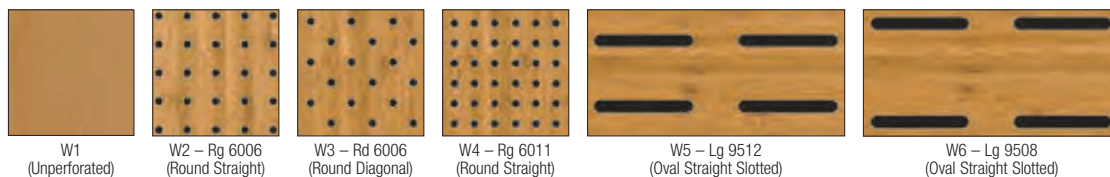
Constants (Real Wood Veneers)



Bamboo (Veneer is Rapidly Renewable)**



PERFORATION OPTIONS (Actual 1:6 scale shown)



NOTE: Slotted perforations run parallel to the length of the panel.

To view more perforation information and build swatches in real time, visit armstrong.com/swatchit

For custom veneer, stain, perforation, and size options, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select prompts 1-1-4.

* Specified in Title 17 California Code of Regulations Section 93120.2(a)

** Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

WOODWORKS®

Tegular and Vector®

Natural Variations™, Constants™, and Bamboo

92% RECYCLED CONTENT

EPD AVAILABLE

LEED®

acoustics

energy

certified wood

indoor air quality

renewable materials

recycled content

waste mgmt

local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

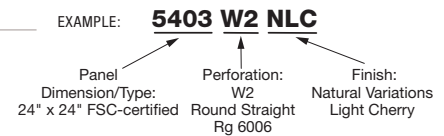
PERFORMANCE

ACOUSTICAL INFORMATION

Edge Profile	Item Number*	Dimensions (Inches) Nominal W x L x H	Perforations	Fire Rating	Primary (Embodied) Energy	Acoustical Information																															
WOODWORKS Tegular						<p>Dots represent high level of performance.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Perforation</th> <th>NRC** (2' x 4' and 2' x 6' sizes)</th> <th>NRC** (all other sizes)</th> <th>CAC**</th> </tr> <tr> <th style="text-align: center;">NRC</th> <th style="text-align: center;">NRC</th> <th style="text-align: center;">CAC</th> </tr> </thead> <tbody> <tr> <td>W1</td> <td>N/A</td> <td>N/A</td> <td>38</td> </tr> <tr> <td>W2</td> <td>0.50</td> <td>0.40</td> <td>28</td> </tr> <tr> <td>W3</td> <td>0.50</td> <td>0.40</td> <td>28</td> </tr> <tr> <td>W4</td> <td>0.70</td> <td>0.65</td> <td>28</td> </tr> <tr> <td>W5</td> <td>0.55</td> <td>0.55</td> <td>28</td> </tr> <tr> <td>W6</td> <td>0.45</td> <td>0.40</td> <td>28</td> </tr> </tbody> </table> <p style="font-size: x-small;">** Maximum NRC achieved with acoustical infill (item 8200100 or 5479). When infill is used, CAC is 28. For additional infill options, refer to the Acoustical Infill Panels data page (BPCS-4172).</p>	Perforation	NRC** (2' x 4' and 2' x 6' sizes)	NRC** (all other sizes)	CAC**	NRC	NRC	CAC	W1	N/A	N/A	38	W2	0.50	0.40	28	W3	0.50	0.40	28	W4	0.70	0.65	28	W5	0.55	0.55	28	W6	0.45	0.40	28
Perforation	NRC** (2' x 4' and 2' x 6' sizes)	NRC** (all other sizes)	CAC**																																		
	NRC	NRC	CAC																																		
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W5	0.55	0.55	28																																		
W6	0.45	0.40	28																																		
9/16" Square Tegular	5404_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A		•																														
FSC®-certified WOODWORKS Tegular																																					
9/16" Square Tegular	5406_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A		•																														
	6484_ _ _ _ _	12 x 48 x 3/4"	▬	W1, W2, W3, W4, W5, W6	Class A		•																														
	6485_ _ _ _ _	12 x 72 x 3/4"	▬	W1, W2, W3, W4, W5, W6	Class A		•																														
	6486_ _ _ _ _♦♦	24 x 48 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A		•																														
	6487_ _ _ _ _♦♦	24 x 72 x 3/4"	▬	W1, W2, W3, W4, W5, W6	Class A	•																															
These additional sizes are available in limited standard finishes and perforation options. See TechZone™ (pages 235-241) for more details.																																					
	6510_ _ _ _ _	24 x 42 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A	•																															
	6511_ _ _ _ _	30 x 30 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A	•																															
	6512_ _ _ _ _	27 x 30 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A	•																															
WOODWORKS Vector†																																					
15/16" Vector – 1/4" Reveal	5401_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A	•																															
FSC-certified WOODWORKS Vector†																																					
15/16" Vector – 1/4" Reveal	5403_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A	•																															
	6480_ _ _ _ _	12 x 48 x 3/4"	▬	W1, W2, W3, W4, W5, W6	Class A	•																															
	6482_ _ _ _ _	24 x 48 x 3/4"	▬	W1, W2, W3, W4, W5, W6	Class A	•																															

† U.S. Patents 5,417,025; 5,253,463; 5,355,646
 ♦ When specifying or ordering, please include the appropriate 2-digit perforation and 3-digit color suffixes. For veneers, sizes, and perforation patterns available as special order, call 1 877 ARMSTRONG and select options 1-1-4.
 ♦♦ 24" x 48" and 24" x 72" Tegular panels are available standard with fleece attached. Fleece on other panels must be specified.

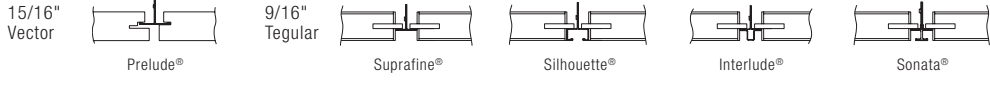
NOTE: Cartons for items 6485 and 6487 (12" x 72" and 24" x 72" series) include suspension system stabilizer hooks.



COLORS AND PERFORATIONS

NV Beech (NBE)	NV Light Cherry (NLC)	Constants Maple (CMA)	Constants Walnut (CWA)	Bamboo Native (BAN)	W1 (Unperforated)	W3 (Rd 6006)	W5 (Lg 9512)
NV Maple (NMP)	NV Dark Cherry (NDC)	Constants Cherry (CCY)	Bamboo Patina (BAP)		W2 (Rg 6006)	W4 (Rg 6011)	W6 (Lg 9508)

SUSPENSION SYSTEMS



Prelude and Suprafine are available in many standard colors. All other suspension systems are available in standard White only. Other colors available as special order.

ACCESSORIES

Accessories, trim, and acoustical infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

PHYSICAL DATA

Material
 Fire retardant particle board with face-cut veneers; FSC-certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified fire retardant products or to view our FSC certification letter, visit armstrong.com/woodworksfsfc

Surface Finish
 Clear or tinted semigloss coating

Fire Performance
 ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
 CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
 Composite – Fire Class A

Primary (Embodied) Energy
 See all LCA information on our EPD's.

Application Considerations
 Variation among panels may occur due to the natural characteristics of the wood and grain.
 It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Design Considerations
 Different panel sizes should not be installed together. Perforated panel borders will vary (length and width) based on perforation selection and panel size. Do not mix perforations on the same installation.
 Vector safety clips included with panels may be visible through panel perforations.

Specification Consideration
 Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Installation Consideration
 Due to panel weight, 24" x 48" and 24" x 72" panels require that the suspension system be attached to the back with safety cables attached. 12" x 72" and 24" x 72" panels require the use of suspension system stabilizer clips (which are included in the cartons).

Seismic Restraint
 These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F

Warranty
 Warranty details at armstrong.com/warranty

Weight: Square Feet/Carton
 Panels – 2.75 lbs/SF
 64 SF minimum order quantity;
 24" x 24" items 16 SF/ctn;
 all other items bulk packaged per order



WOODWORKS



woodworks® channeled

product family

Real Wood Veneers
or Images™ High Quality
Printed Visuals

- Create a continuous ceiling or cloud
- Create a ceiling-to-wall transition
- Acoustical backing improves sound quality
- Shorter lead times and lower costs than custom millwork
- Class A fire performance

1 WoodWorks Channeled 24" x 24" Images finish in Maple

2 WoodWorks Channeled Tegular Clouds with W9 perforation in Natural Variations™ Maple and Light Cherry on Suprafine® 9/16" suspension system in Pewter Luster with Axiom® – Knife Edge® trim in Pewter Luster



In addition to these standard options, there may be more finish, size, and curved design choices available as custom options. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select prompts 1-1-4.

WOODWORKS® Channeled

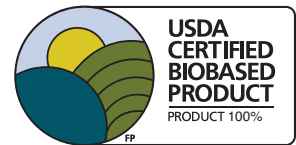
Wood Veneer or Printed Panels and Planks



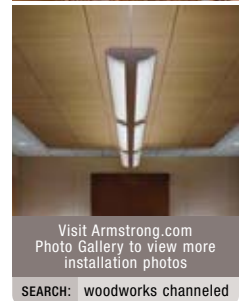
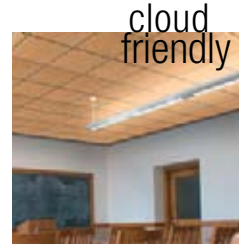
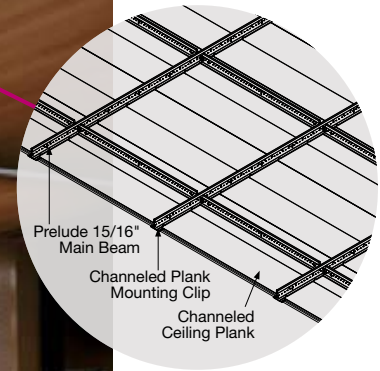
The mark of responsible forestry



Images™ products are not FSC or Rainforest Alliance Certified



WoodWorks Tongue & Groove with W9 perforation in Natural Variations™ Maple and Light Cherry



cloud friendly

Visit Armstrong.com Photo Gallery to view more installation photos

ADDITIONAL ATTRIBUTES

Natural Variations Finishes

- Choice of popular Natural Variations real wood veneers
- FSC® chain of custody (CoC) certified WoodWorks products represent responsible production and consumption practices from the forest to the consumer
- 100% Biobased content (see page 331)
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits
- For custom veneers, stains, and sizes, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select prompts 1-1-4

Images Finishes

- Images finishes provide a high quality wood visual at our most economical price
- Larger Tegular and Vector® panel sizes – 24" x 48", 12" x 48", and 30" x 30" for even more design flexibility
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits
- For custom sizes, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select prompts 1-1-4

VENEER SELECTION

Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



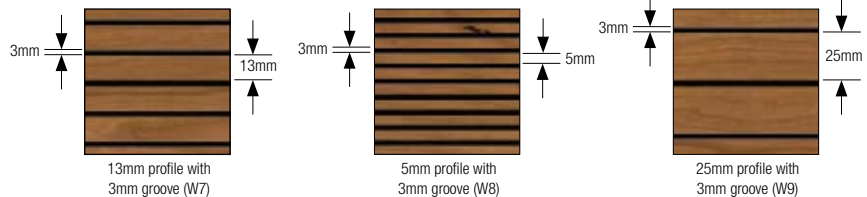
Maple (NMP)

Light Cherry (NLC)

Dark Cherry (NDC)

PERFORATION OPTIONS

(Actual 1:2 scale shown)



13mm profile with 3mm groove (W7)

5mm profile with 3mm groove (W8)

25mm profile with 3mm groove (W9)

NEW IMAGES™ FINISHES

(High Quality Printed Finishes)



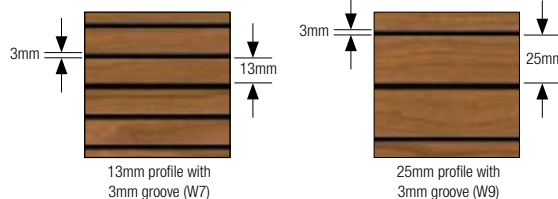
Maple (PMP)

Light Cherry (PLC)

Dark Cherry (PDC)

PERFORATION OPTIONS

(Actual 1:2 scale shown)



13mm profile with 3mm groove (W7)

25mm profile with 3mm groove (W9)

92% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

WOODWORKS® Channeled

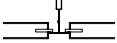



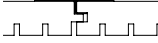


Tegular and Vector® Panels and Planks

Natural Variations™ Finishes

VISUAL SELECTION – NATURAL VARIATIONS FINISHES

PERFORMANCE

ACOUSTICAL INFORMATION

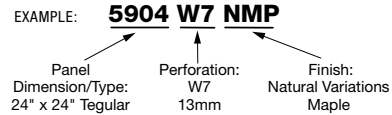
Edge Profile	Item Number ♦	Dimensions (Inches) Nominal W x L x H	Perforations	Fire Rating
FSC®-certified WOODWORKS Channeled Tegular Perforated with Acoustical Fleece				
9/16" Tegular 	5904 _ _ _ _ _	24 x 24 x 3/4"		W7, W8, W9
FSC-certified WOODWORKS Channeled Vector Perforated with Acoustical Fleece				
1/4" Reveal with 15/16" Vector 	5903 _ _ _ _ _	24 x 24 x 3/4"		W7, W8, W9
FSC-certified WOODWORKS Channeled Plank Perforated with Acoustical Fleece				
Tongue & Groove 	5900C _ _ _ _ _	5.553 x 96 x 3/4"		W7, W8, W9
	5901C _ _ _ _ _	5.553 x 120 x 3/4"		W7, W8, W9

Dots represent high level of performance.

Perforation	NRC panels	NRC planks
	NRC	NRC
W7	0.75 0.80† •	0.75 0.95† •
W8	0.75 0.80† •	0.75 0.95† •
W9	0.65 0.65†	0.65 0.70†

† NRC when installed with acoustical infill (item 8200100 or 5479)

♦ When specifying or ordering, include the appropriate 5-letter perforation and color suffix (e.g., 5904W Z N M P).
NOTE: For veneers and sizes available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4



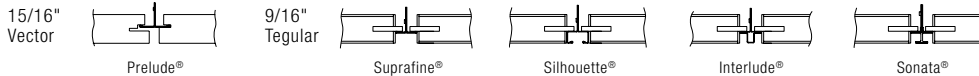
ACCESSORIES

Natural Variations™ and Images™ finishes are designed to coordinate with each other. Trim and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

FINISHES AND PERFORATIONS

NV Maple (NMP) NV Dark Cherry (NDC) W7 (13mm profile with 3mm groove) W9 (25mm profile with 3mm groove)
NV Light Cherry (NLC) W8 (5mm profile with 3mm groove)

SUSPENSION SYSTEMS



Prelude and Suprafine are available in many standard colors. All other suspension systems are available in standard White only. Other colors available as special order.

PHYSICAL DATA

Material
FSC-certified fire retardant medium density fiberboard with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfscc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F

Warranty
Refer to warranty details in the back of this catalog.

Panel Weight; Square Feet/Carton
2.2 lbs/SF (Bulk packaged)

WOODWORKS

WOODWORKS® Channeled

Tegular and Vector® Panels and Planks

Images™ Finishes

92% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION – IMAGES FINISHES

PERFORMANCE

ACOUSTICAL INFORMATION

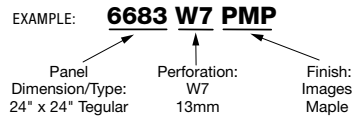
Edge Profile	Item Number *	Dimensions (Inches) Nominal W x L x H	Perforations	Fire Rating	
WOODWORKS Channeled Tegular Perforated with Acoustical Fleece					
	6683	24 x 24 x 11/16"	□	W7, W9	Class A
	6681	12 x 48 x 11/16"	▬	W7, W9	Class A
	6685	24 x 48 x 11/16"	▬	W7, W9	Class A
	6687	30 x 30 x 11/16"	□	W7, W9	Class A
WOODWORKS Channeled Vector Perforated with Acoustical Fleece					
	6682	24 x 24 x 11/16"	□	W7, W9	Class A
	6680	12 x 48 x 11/16"	▬	W7, W9	Class A
	6684	24 x 48 x 11/16"	▬	W7, W9	Class A
	6686	30 x 30 x 11/16"	□	W7, W9	Class A
WOODWORKS Channeled Plank Perforated with Acoustical Fleece					
	6688C	5.553 x 96 x 11/16"	▬	W7, W9	Class A
	6689C	5.553 x 120 x 11/16"	▬	W7, W9	Class A

Dots represent high level of performance.

Perforation	NRC	NRC
	panels	planks
W7	0.75 0.80†	0.75 0.95†
	•	•
W9	0.75 0.80†	0.75 0.95†
	•	•

† NRC when installed with acoustical infill (item 8200100 or 5479)

* When specifying or ordering, include the appropriate 2-letter perforation suffix and the color suffix (e.g., 6683W Z P M P)
NOTE: For sizes available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4



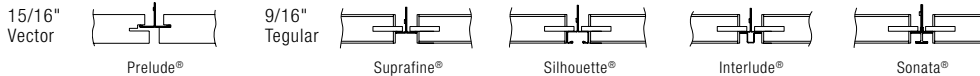
ACCESSORIES

Natural Variations™ and Images™ finishes are designed to coordinate with each other.
Trim and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

FINISHES AND PERFORATIONS

Images Maple (PMP) Images Dark Cherry (PDC) W7 (13mm profile with 3mm groove)
Images Light Cherry (PLC) W9 (25mm profile with 3mm groove)

SUSPENSION SYSTEMS



Prelude and Suprafine are available in many standard colors. All other suspension systems are available in standard White only. Other colors available as special order.

PHYSICAL DATA

Material
Fire retardant medium density fiberboard with high quality printed visual.

Surface Finish
Clear semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Images finishes feature a high definition print finish. A pattern repeat will occur approximately every 30". It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

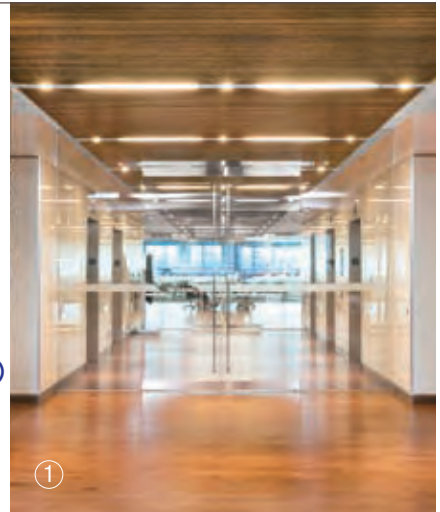
Seismic Restraint
These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F.

Warranty
Warranty details at armstrong.com/warranty

Panel Weight; Square Feet/Carton
2.2 lbs/SF (Bulk packaged)



woodworks®



grille

product family

Two Ways to Achieve a Grill Look

- Traditional 12" x 96" panels or easy-to-install Tegular 24" x 24" or 24" x 48" panels
- FSC®-certified available upon request
- Shorter lead times than custom millwork
- Custom finishes and blade sizes available

1 WoodWorks Grille Ceiling 2-1/4" panels in Grille Walnut with backer

2 WoodWorks Grille Ceilings 1-3/8" Blades in Walnut on Suprafine® 9/16" suspension system in Black

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



Grille
Maple
(GMP)



Grille
Light Cherry
(GLC)



Grille
Dark Cherry
(GDC)



Grille
Walnut
(GWN)

In addition to these standard options, there may be more finish, size, and curved design choices available as custom options. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select prompts 1-1-4.

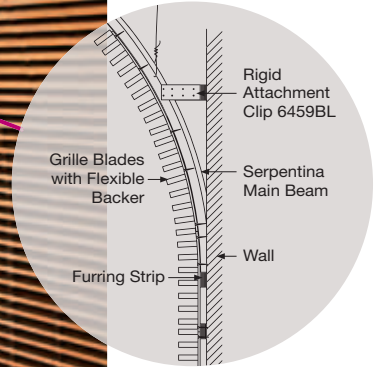
WOODWORKS® Grille

Solid Wood Backer & Dowel

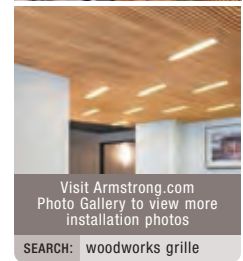
FSC® and Rainforest Alliance Certifications are available on request



The mark of responsible forestry



WoodWorks Custom Installation – Grille Faceted Ceiling 2-1/4" panels in Grille Light Cherry with Backer



ADDITIONAL ATTRIBUTES

Backer & Dowel

- Two blade sizes available in four rich finishes
- Easy installation with dowel or backer
- Install in the ceiling, on the wall, or create 90° angled or faceted ceiling-to-wall transitions
- Excellent sound absorption with acoustical infill panel (NRC 0.75)
- Custom blade size, finish, and FSC®-certified options available
- Custom curved application available with flexible backer

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number ♦	Description	Dimensions (Inches) Nominal W x L x H	Acoustics NRC*	Fire Rating
WOODWORKS Grille – Backer and Dowel					
	5663 _ _ _ _ ♦	1-3/8" 6 blades	12 x 96 x 1-7/8" with Backer 12 x 96 x 1-3/8" with Dowel	0.75 •	See physical data pg. 121
	5664 _ _ _ _ ♦	1-3/8" 8 blades	12 x 96 x 1-7/8" with Backer 12 x 96 x 1-3/8" with Dowel	0.75 •	See physical data pg. 121
	5665 _ _ _ _ ♦	2-1/4" 6 blades	12 x 96 x 2-3/4" with Backer 12 x 96 x 2-1/4" with Dowel	0.75 •	See physical data pg. 121
	5666 _ _ _ _ ♦	2-1/4" 8 blades	12 x 96 x 2-3/4" with Backer 12 x 96 x 2-1/4" with Dowel	0.75 •	See physical data pg. 121

♦ When specifying or ordering Backer or Dowel panels, please include the installation type and color suffixes (e.g., 5663 B Q G L C – 6 blades 1-3/8" Backer in Grille Light Cherry).
Installation suffixes: BO = Backer, DO = Dowel

* NRC 0.75 with acoustical infill Item 5823.

NOTE: For additional color and size options, as well as curved applications requiring flexible Backers available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

WOODWORKS® Grille


Solid Wood Backer & Dowel

LEED®

- acoustics
- energy
- certified wood
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

ACCESSORIES

Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/Carton
 5687	Backer Clip	3/8 x 11/16 x 7/8"	N/A	250 pcs/pail
 5688	Dowel Clip	3/8 x 7/8 x 7/8"	N/A	250 pcs/pail
5671 _ _ _ **	Ledger	1 x 96 x 1/4"	See Finishes Below	Bulk
 5672 _ _ _ **	Junction – 1-3/8"	1-1/2 x 96 x 2"	See Finishes Below	Bulk
 5673 _ _ _ **	Junction – 2-1/4"	1-1/2 x 96 x 2-3/4"	See Finishes Below	Bulk
 5674 _ _ _ **	End Cap – 1-3/8"	3/4 x 96 x 2"	See Finishes Below	Bulk
 5675 _ _ _ **	End Cap – 2-1/4"	3/4 x 96 x 2-3/4"	See Finishes Below	Bulk
7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
6459BL	Uptight Clip	5-1/2 x 1-3/4"	Black	25
RC2BL	RC2 Radius Clip	N/A	Black	205

** When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 **G M P**).

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

FINISHES

Grille Maple (GMP) Grille Dark Cherry (GDC)
Grille Light Cherry (GLC) Grille Walnut (GWN)

SUSPENSION SYSTEM

15/16"	Prelude® XL® (Black recommended), 360° Painted with 48" cross tee rout holes at 12"
15/16"	Serpentina® Main Beam (for use with Flexible Backers) in Black

NOTE: For ceilings with a radius of 12-1/2" or greater, use standard panels and 15/16" main beams faceted 12" on center with RC2 Radius Clips (RC2BL).

PHYSICAL DATA – Backer & Dowel; Tegular Panels

Material

Blades, Backers, and Tegular panels – solid Poplar (yellow or hybrid).
Dowels – solid Birch.

Surface Finish

Clear or tinted semigloss coating

Fire Performance

Solid Poplar (yellow or hybrid) Hardwood Blades and Backers
Solid Birch Hardwood Dowels
Solid Poplar (yellow or hybrid) Hardwood Blades and Backers – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.
Class A intumescent treatment is available.

Fire performance will vary between wood species.
Contact TechLine at 1 877 ARMSTRONG for details.

WoodWorks Grille, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations

Backer & Dowel

For blade heights over 5", both Dowels and Backers are required for stability. Blade sizes over 2-1/4" are not recommended for wall applications. Contact the Architectural Specialties project management team for details at 1 877 ARMSTRONG and select options 1-1-4.

Tegular Panels

If no infill panel is used, unfinished parts of the suspension system and Axiom® will be visible from below.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Installation Consideration

Backer and Dowel – when junction accessory is not used, leave 1" gap between blade lengths.

Seismic Restraint

WoodWorks Grille has been engineered, tested, and approved in all seismic areas.

Warranty

Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton

5663 – 2.0 lbs/SF
5664 – 2.6 lbs/SF
5665 – 2.8 lbs/SF
5666 – 3.6 lbs/SF
662808, 662912, 663008, 663112 - 0.875 lbs/SF
662812, 663012 - 0.775 lbs/SF

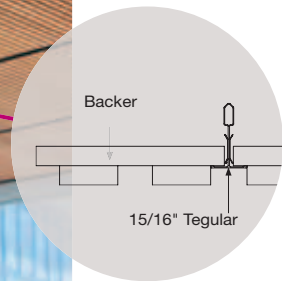
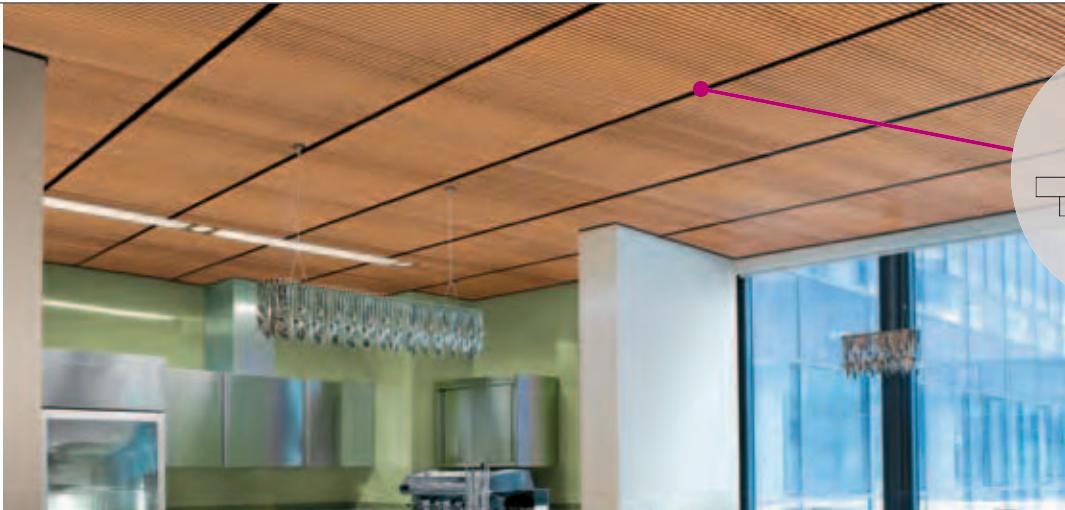
WOODWORKS® Grille

Solid Wood Tegral Panels

LEED®

- acoustics
- energy
- certified wood
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: woodworks grille

ADDITIONAL ATTRIBUTES

Tegral Panels

- Panels feature solid wood blades that can be installed in a linear fashion or patterned for endless variety
- Vertical blades are deeper than they are wide creating a more open feel
- Horizontal blades are wider than they are deep creating a warm, more solid look

- 24" x 24" and 24" x 48" sizes available in vertical and horizontal blade designs
- Panels are designed so the suspension system virtually disappears
- Four standard finishes; custom finishes available
- Excellent sound absorption with acoustical infill panel (up to 0.85 NRC)
- Tegular panels with backers easily install on standard suspension system
- Create continuous looks and clouds with Axiom® trim

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number ♦	Description	Dimensions (Inches) Nominal W x L x H	Acoustics NRC* 	Fire Rating
WOODWORKS Grille Tegular for 15/16" Suspension System					
	15/16" Tegular with Horizontal Blades	662812 _ _ _ ♦	1/2" x 12-1/2" 10 horizontal blades	24 x 24 x 1" <input type="checkbox"/>	0.75 • See physical data pg. 121
		663012 _ _ _ ♦	1/2" x 12-1/2" 10 horizontal blades	24 x 48 x 1" <input type="checkbox"/>	0.75 • See physical data pg. 121
	15/16" Tegular with Vertical Blades	663112 _ _ _ ♦	1/2" x 12-1/2" 12 vertical blades	24 x 48 x 2" <input type="checkbox"/>	0.85 • See physical data pg. 121
WOODWORKS Grille Tegular for 9/16" Suspension System					
	9/16" Tegular with Horizontal Blades	662808 _ _ _ ♦	1/2" x 12" 12 horizontal blades	24 x 24 x 1" <input type="checkbox"/>	0.75 • See physical data pg. 121
		663008 _ _ _ ♦	1/2" x 12" 12 horizontal blades	24 x 48 x 1" <input type="checkbox"/>	0.75 • See physical data pg. 121
	9/16" Tegular with Vertical Blades	662912 _ _ _ ♦	1/2" x 12" 12 vertical blades	24 x 24 x 2" <input type="checkbox"/>	0.85 • See physical data pg. 121

♦ When specifying or ordering, please include the appropriate 3-letter color suffix (e.g., 663008 G L Q).
NOTE: For additional color and size options, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

* NRC 0.75 or 0.85 with acoustical infill item 5823.

SUSPENSION SYSTEM

15/16"	Prelude® XL® (Black recommended), 360° Painted with 4' cross tee route holes at 12"
9/16"	Suprafine® XL® 9/16" Exposed Tee (Black recommended)

FINISHES

Grille Maple (GMP)	Grille Dark Cherry (GDC)
Grille Light Cherry (GLC)	Grille Walnut (GWN)

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks





woodworks[®] linear

product family

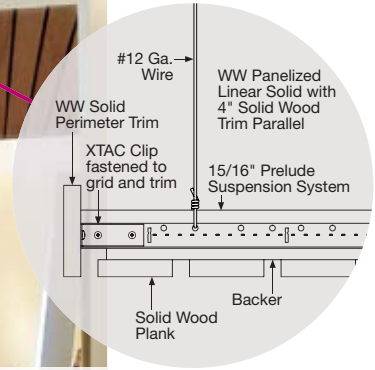
Three Different Ways to Achieve a Linear Look

- Choose traditional planks, or fast, easy-to-install panels
- NEW** • Unique, new tapered visual available on veneered panels
- FSC[®]-certified products represent responsible production and consumption practices from the forest to the consumer
- Shorter lead times and lower cost than custom millwork
- Custom veneers and stain matching available



1 WoodWorks Linear Faceted 3-3/4" Ceiling System in Natural Variations™ Maple

2 WoodWorks Linear Plank Ceiling System in Natural Variations Light Cherry; Fine Fissured™ Square Lay-in on Prelude[®] XL[®] 15/16" suspension system



WoodWorks Linear Solid Wood panels in Grille Dark Cherry

ADDITIONAL ATTRIBUTES

Solid Wood Panels

- Two plank widths – nominal 3" and nominal 5" – in four rich finishes
- Fast, easy installation – screw into suspension system or install with backer clip
- Create continuous looks and clouds with solid wood trim
- Complete standard system from one manufacturer
- BioAcoustic™ infill available for increased acoustical performance
- Acoustical fleece available as an option

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



VISUAL SELECTION

PERFORMANCE

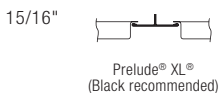
Edge Profile	Item Number ♦	Description	Dimensions (Inches) Nominal W x L x H	Acoustics NRC*	Fire Rating
WOODWORKS Linear Solid Wood Panels					
	6693W1 _ _ _	Nominal 3" wide planks	12 x 96 x 3/4"	0.60	See below
	6694W1 _ _ _	Nominal 5" wide planks	12 x 96 x 3/4"	0.50	See below

♦ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 6693W1 G M P)
* NRC achieved with acoustical infill (Item 6657).

NOTE: For additional color and size options, or acoustical felt available as a custom option, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

ACCESSORIES Accessories, trim, and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

SUSPENSION SYSTEMS



Wood is a natural product and will exhibit natural variations in color, grain, and texture, and knot holes of up to 1/2" in diameter.



PHYSICAL DATA

Material
Planks and Backers – solid Poplar (yellow or hybrid)

Surface Finish
Clear or tinted semigloss coating

Fire Performance
Solid Hardwood Planks and Backers – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less. Class A intumescent treatment is available. Fire performance will vary between wood species. Contact TechLine at 1 877 ARMSTRONG for details. Woodworks Linear Solid Wood Panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution

pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Installation Consideration
System is designed to have a 1" gap between panels. Backer clip can only be used for installations of the panel with 3" nominal planks (Item 6693).

Seismic Restraint
WoodWorks Linear Solid Wood Panels have been engineered, tested, and approved in all seismic areas.

Warranty
Warranty details at armstrong.com/warranty

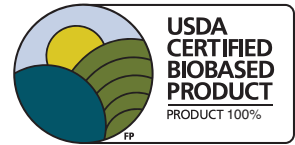
Weight; Square Feet/Carton
6693 – 1.25 lbs/SF
6694 – 1.25 lbs/SF
(Bulk packaged)

NEW

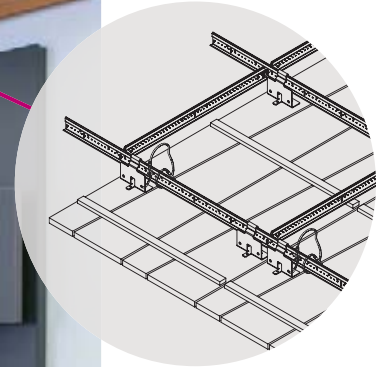
WOODWORKS® Linear Veneered Panels



The mark of responsible forestry



WoodWorks Linear Veneer panels in tapered visual and Natural Variations™ Light Cherry finish



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: woodworks linear

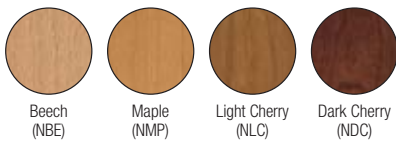
ADDITIONAL ATTRIBUTES

Veneered Panels

- Unique tapered planks or traditional wood planks in nominal 4" or 6" width
- Create continuous looks and clouds with veneer-wrapped and painted aluminum trim
- Hook-on panels (for standard 15/16" suspension) provide safe and secure downward accessibility
- Complete standard system from one manufacturer (suspension system/panels/trim)
- Factory edge banded for superior quality
- California Air Resources Board (CARB) compliant*
- 100% Biobased content (see page 331)
- BioAcoustic™ infill available for increased acoustical performance
- Acoustical fleece available as an option

VENEER SELECTION Due to printing limitations, shade may vary from actual product.

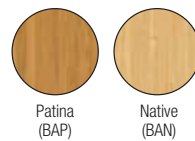
Natural Variations (Real Wood Veneers)



Constants™ (Real Wood Veneers)



Bamboo (Veneer is Rapidly Renewable)**



In addition to these standard options, there may be additional veneers, perforations, and sizes available as premium and custom options. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select prompts 1-1-4.

* Specified in Title 17 California Code of Regulations Section 93120.2(a)

** Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.



WOODWORKS® Linear Veneered Panels

86% RECYCLED CONTENT

LEED®



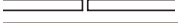
- acoustics
- energy
- certified wood
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item Number*	Description	Dimensions (Inches) Nominal W x L x H	Acoustics NRC**	Fire Rating
FSC®-certified WOODWORKS Linear Veneered Panels					
3/4" Reveal 	6690W1 _ _ _	Nominal 4" wide planks	24 x 96 x 3/4"	0.45	Class A
1/4" Reveal 	6691W1 _ _ _	Nominal 6" wide planks	24 x 96 x 3/4"	0.20	Class A
1/4" Reveal 	6692W1 _ _ _	Tapered planks	24 x 96 x 3/4"	0.20	Class A

EXAMPLE: **6690W1 NLC**

Panel Dimension/Type: 2' x 8' Nominal 4" wide planks

Finish: Natural Variations™ Light Cherry

* When specifying or ordering, include the appropriate 3-letter color suffixes.

** NRC achieved with BioAcoustic™ infill (item 6657).

NOTE: For veneers, sizes, and perforation patterns available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

To view more perforation information and build swatches in real time, visit armstrong.com/swatchit.

ACCESSORIES For additional accessory items see pages 135-136.

Item Number	Description	Dimensions Nominal (Inches)	Color	Pieces/Carton
6408 _ _ _ *	Edge Banding	300 x 3/4"	Standard Veneers (see below)	1

* When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (6408 [N](#) [M](#) [P](#))

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

COLORS

NV Beech (NBE) NV Light Cherry (NLC) Constants™ Maple (CMA) Constants Walnut (CWA) Bamboo Patina (BAP)
 NV Maple (NMP) NV Dark Cherry (NDC) Constants Cherry (CCY) Bamboo Native (BAN)

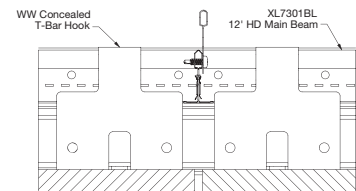
SUSPENSION SYSTEMS

15/16" Standard: Prelude® BL (Tech Black)

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5986	T-Bar Hook ¹	Nominal 4 x 2 x 3"	50
91070A244	Wood Screws	5/8"	100
6091	Safety Cable	24 x 3/32"	50
SH12	Support Hanger	144 x 2"	12

¹ For 2' x 8' panel, install 8 hooks. NOTE: 3 screws per hook.

NOTE: Refer to installation instructions at armstrong.com/installation for a better understanding of suspension requirements.



Installation Detail

PHYSICAL DATA

Material

FSC-certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfsfc

Surface Finish

Clear or tinted semigloss coating

Fire Performance

ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification

Composite – Fire Class A

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

Use of large wood panels may result in deflection up to 1/8" and alignment inconsistency due to size and ambient conditions.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Design Considerations

Cloud installations with total panel width less than 6' wide are not recommended.

Cloud installations with total panel length less than 16' wide cannot be done.

Specification Consideration

Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint

These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F.

Warranty

Warranty details at armstrong.com/warranty

Weight/Square Feet

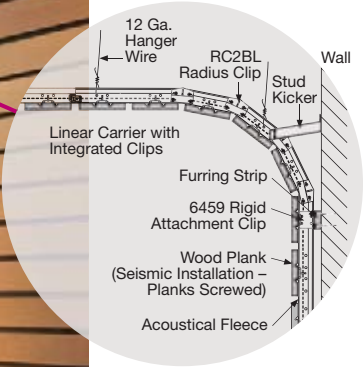
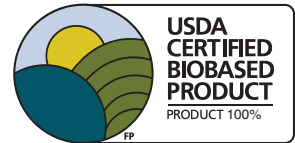
6690, 6691, 6692 – 2.75 lbs/SF; bulk packaged per order. Suspension, hardware, and accessories ordered separately.



WOODWORKS® Linear Veneered Planks



The mark of responsible forestry

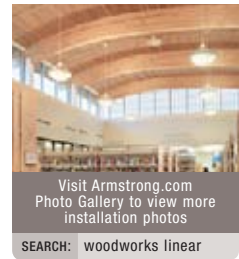


WoodWorks Linear 8' x 3-3/4" in Natural Variations™ Light Cherry; Ceiling-to-Wall Faceted Transition

ADDITIONAL ATTRIBUTES

Lineared Planks

- Standard wood planks in two widths; nominal 4-1/2" and 6" modules, with traditional 3/4" reveals
- Standard factory-applied acoustic fleece
- Install in the ceiling, on the wall, or create 90° angled or curved ceiling-to-wall transitions (one-foot minimum radius)
- Create upturns for continuous visuals and clouds with veneer-wrapped WoodWorks Trim
- Suspension system and planks from one manufacturer; improved for 30-50% faster installation
- California Air Resources Board (CARB) compliant*
- 100% Biobased content (see page 331)
- Custom veneers and stain matching available; for details, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4



VENEER SELECTION Due to printing limitations, shade may vary from actual product.

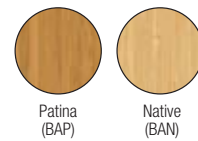
Natural Variations (Real Wood Veneers)



Constants™ (Real Wood Veneers)



Bamboo (Veneer is Rapidly Renewable)**



You can also create beautiful curved looks with a faceted suspension system. Due to its non-standard suspension system, these items may be ordered through Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

* Specified in Title 17 California Code of Regulations Section 93120.2(a)

** Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

WOODWORKS® Linear

Veneered Planks

92% RECYCLED CONTENT

LEED®

acoustics

energy

certified wood*

indoor air quality

renewable materials

recycled content

waste mgmt

local** materials

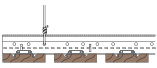
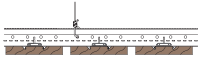
Calculate LEED contribution at armstrong.com/greengenie

*OPTIONS AVAILABLE
**LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number ♦	Dimensions (Inches)	Acoustics NRC	Fire Rating
WOODWORKS Linear – Nominal 4-1/2" Module				
	6440W1 _ _ _	96 x 3-3/4 x 3/4" with 3/4" reveal	0.45 0.60**	Class A
	6640W1 _ _ _ (FSC®-certified)	96 x 3-3/4 x 3/4" with 3/4" reveal	0.45 0.60**	Class A
WOODWORKS Linear – Nominal 6" Module				
	6460W1 _ _ _	96 x 5-1/4 x 3/4" with 3/4" reveal	0.40 0.50**	Class A
	6660W1 _ _ _ (FSC-certified)	96 x 5-1/4 x 3/4" with 3/4" reveal	0.40 0.50**	Class A

♦ When specifying or ordering, please include the appropriate 3-letter color suffix (e.g., 6460W1 N M P)

** Adding acoustical infill (item 8200100, 5479, or 5823) for 4-1/2" module increases the NRC to 0.60. Adding acoustical fiberglass infill for 6" module increases the NRC to 0.45; adding BioAcoustic infill 5479 increases NRC to 0.50. For additional infill options, refer to the Acoustical Infill Panels catalog pages 133-134.

ACCESSORIES

For additional accessories, see pages 135-136.

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5843	Linear Wood Panel Splice	—	100
5948	Linear and Channeled Trim Connector Clip	N/A	30
RC2BL	Radius Clip for faceted grid applications (Black)	—	205 pcs/bucket
6459BL	Rigid Attachment Clip (Black)	5-1/2 x 1-3/4"	25
92715A620	Self-tapping Screws (Black)	#2 x 3/4" Length	25

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See pages 133-134 in this catalog or visit armstrong.com/woodworks

FINISHES

NV Beech (NBE) NV Light Cherry (NLC) Constants™ Maple (CMA) Constants Walnut (CWA) Bamboo Patina (BAP)
NV Maple (NMP) NV Dark Cherry (NDC) Constants Cherry (CCY) Bamboo Native (BAN)

SUSPENSION SYSTEM

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5370	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 4-1/2" modules	144 x 15/16 x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)
5371	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 6" modules	144 x 15/16 x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)

NOTE: For radiused applications, use standard panels and HD Linear Carriers faceted 12" on center with RC2BL clips.

PHYSICAL DATA

Material

Fire retardant particle board with face-cut veneers. FSC-certified fire retardant particle board with face-cut veneers (SW-COC-3601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfscc

Factory-applied black fleece on each plank to cover the reveal.

Surface Finish

Clear or tinted semigloss coating

Fire Performance

ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Linear wood, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks planks are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Specification Consideration

Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Installation Considerations

Installation can use staggered, random joints for a monolithic appearance or consistent lengths for a modular style. For expansion, a 3/4" gap is recommended at every 24-foot run of plank. See installation instructions BPLA-297443 at armstrong.com/installation.

Seismic Restraint

Linear wood has been engineered, tested, and approved in all seismic areas.

Warranty

Warranty details at armstrong.com/warranty

Weight/Square Feet

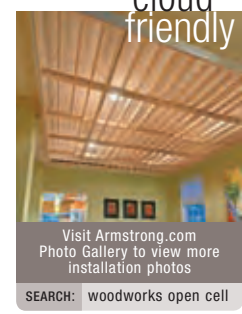
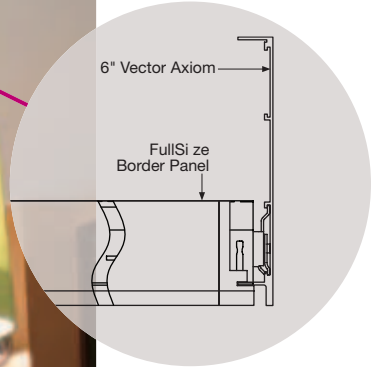
6440, 6640 – 2.88 lbs/SF
6460, 6660 – 2.89 lbs/SF
(Bulk packaged)



WOODWORKS® Open Cell Vector®



The mark of responsible forestry



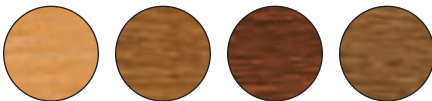
WoodWorks Open Cell Vector Four Square 24" x 24" panels in Grille Maple with Axiom® – Vector trim in Pewter Luster on Prelude® 15/16" suspension system in Pewter Luster

KEY SELECTION ATTRIBUTES

- Enhance space volume with open structure design
- Choose from a variety of standard designs and finishes
- Mix panel sizes for a variety of looks
- Vector edge detail provides safe and secure downward accessibility without tools and narrow reveal visual (1/4")
- Suspension system, trim, and accessories designed and tested to work with Open Cell panels
- BioAcoustic™ infill panel can be used to enhance acoustics

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



Grille Maple (GMP)

Grille Light Cherry (GLC)

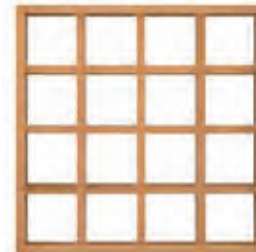
Grille Dark Cherry (GDC)

Grille Walnut (GWN)

PANEL SELECTION



Item 6622 – Four Square
Available 24" x 24" and 24" x 48"



Item 6623 – Multi-Square
Available 24" x 24" and 24" x 48"



Item 6624 – Linear
Available 24" x 24" only

In addition to these standard options, there may be more finish, size, and cell design choices available as custom options. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select prompts 1-1-4.

WOODWORKS® Open Cell Vector®



Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number *	Description	Dimensions (Inches) Nominal W x L x H		Acoustics NRC*	Fire Rating
WOODWORKS Open Cell – Vector						
	6622_ _ _	Four Square with 12" Cells	24 x 24 x 2-1/4"		0.85 •	See below
	6623_ _ _	Multi-Square with 6" Cells	24 x 24 x 2-1/4"		0.85 •	See below
	6624_ _ _	Linear with 6" Cells	24 x 24 x 2-1/4"		0.85 •	See below
	6625_ _ _	Four Square with 12" Cells	24 x 48 x 2-1/4"		0.85 •	See below
	6626_ _ _	Multi-Square with 6" Cells	24 x 48 x 2-1/4"		0.85 •	See below

◆ When specifying or ordering, please include the appropriate 3-letter color suffix (e.g., 6622 G M P).

* NRC 0.85 with acoustical infill item 5823.

NOTE: For additional color and size options available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

ACOUSTICAL INFILL PANELS

Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Acoustics NRC CAC	Pieces/Carton
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black (Matte)	0.75† N/A	12

† Please note that NRC value for item 5823 is stated for infill-to-infill comparison. Actual NRC value will vary based on panel and perforation selection.

ACCESSORIES Accessories, trim, and infill panels available. See pages 135-136 in this catalog or visit armstrong.com/woodworks

FINISHES

Grille Maple (GMP) Grille Dark Cherry (GDC)
Grille Light Cherry (GLC) Grille Walnut (GWN)

SUSPENSION SYSTEMS

15/16" Prelude® XL®

PHYSICAL DATA

Material
FSC®-certified solid Poplar (yellow or hybrid) (SW-COC-003601)

Surface Finish
Clear or tinted semigloss coating

Fire Performance
Solid Poplar Hardwood – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less. Class A intumescent treatment is available.

WoodWorks Open Cell, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present. For more information, visit armstrong.com/woodworks

Design Considerations
It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained. Exposed, unpainted back of Axiom® may be visible when using higher trims.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Installation Consideration
Do not cut panels.

Seismic Restraint
WoodWorks Open Cell has been engineered, tested, and approved in all seismic areas.

Warranty
Warranty details at armstrong.com/catalog

Weight; Square Feet/Carton
6623, 6626 – 1.0 lbs/SF
6624 – 0.625 lbs/SF
6622, 6625 – 0.5 lbs/SF
Bulk Packaged



WOODWORKS® Access™

Custom Flat Ceiling Systems



KEY SELECTION ATTRIBUTES

- Provides full downward accessibility
- Panel options up to 16 SF
- Flat, radial, and curved panels available
- Acoustical options with perforated panels
- Meets requirements for seismic areas

WoodWorks Access Custom Flat Ceiling System in Maple; WoodWorks Wall System in Maple



WoodWorks Access Custom Ceiling System 30" x 49" and 30" x 38" panels with W6 perforation in Custom Cherry Quartered

WOODWORKS® Access™

Custom Curved Ceiling Systems



WoodWorks Access Custom Curved Ceiling System in Quartered Maple



WoodWorks Access Custom Curved Ceiling System in Cherry Quartered with Clear Satin finish



Note: For additional drawing details, visit armstrong.com/woodworks



WoodWorks Access Custom Curved Ceiling System in Stained Red Oak



WOODWORKS®

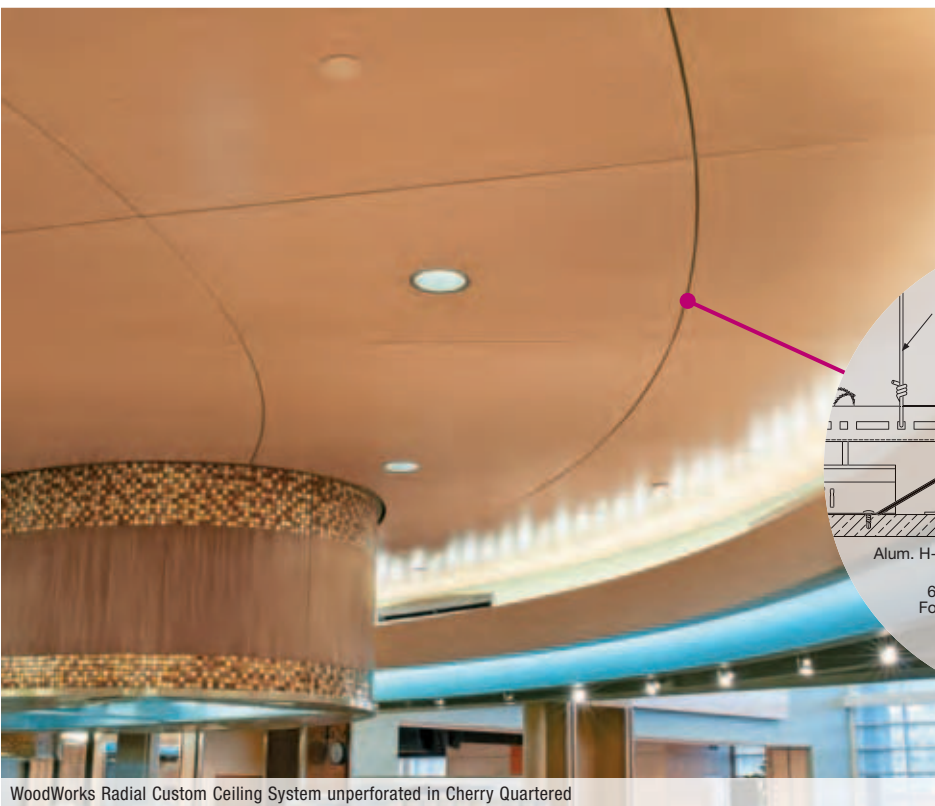
Radial Custom Ceiling Systems



WoodWorks Radial Custom Ceiling System in Reconstituted Wenge Graduated

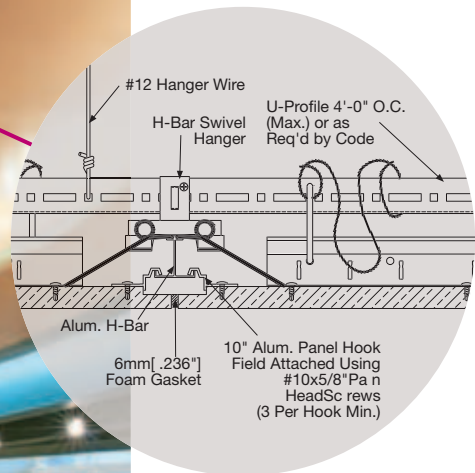
KEY SELECTION ATTRIBUTES

- Variety of trapezoidal sizes, up to 96" length, and up to 48" width
- Perforation options provide NRC 0.40 – 0.65 based on pattern and infill selected (see page 81)
- Engineered and tested for applications in seismic zones



WoodWorks Radial Custom Ceiling System unperforated in Cherry Quartered

Due to the non-standard dimensions, finishes, and performance features for custom WoodWorks systems, please visit our web site at armstrong.com/woodworks or call 1 877 ARMSTRONG and select options 1-1-4 to work with the Architectural Specialties project management team.



WOODWORKS®

Custom Ceiling Systems



WoodWorks Custom Ceilings and WoodWorks Custom Walls with custom perforation in custom Cherry finish



WoodWorks Custom Ceiling System unperforated in White Maple with Clear Satin finish



WOODWORKS TRIM & ACCESSORIES

Natural Variations™, Constants™, and Images™* Trim

UP TO **92%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- certified wood*
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local** materials

Calculate LEED contribution at armstrong.com/greengenie

*OPTIONS AVAILABLE
**LOCATION DEPENDENT

WOODWORKS TRIM

Item Number*	Description	Dimensions (Inches) Nominal W x L x H	Color	Pcs/Ctn.
6603W1_ _ _	WoodWorks Concealed Trim	6 x 120"	See below	6
5415W1_ _ _	4" WoodWorks Trim (with FSC®-certified wood substrate)	4 x 96 x 3/4"	See below	6
5419W1_ _ _	6" WoodWorks Trim (with FSC-certified wood substrate)	6 x 96 x 3/4"	See below	4
5659W1_ _ _	4" WoodWorks Trim (with aluminum substrate)	4 x 120"	See below	6
5660W1_ _ _	6" Woodworks Trim (with aluminum substrate)	6 x 120"	See below	6
6408_ _ _ *	3/4" Edge Banding	3/4 x 300"	See below	1



* When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 6603W1N M P)

* Images edge banding coordinates with Natural Variations Light Cherry, Dark Cherry, and Maple. Use the Natural Variations colors when ordering.

WOODWORKS TRIM FINISH SELECTION

Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)

Constants (Real Wood Veneers)



SOLID WOOD TRIM

Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Pcs/Ctn.
7146_ _ _	Solid Wood Trim	4 x 120 x 3/4"	See right	Bulk

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



AXIOM® TRIM

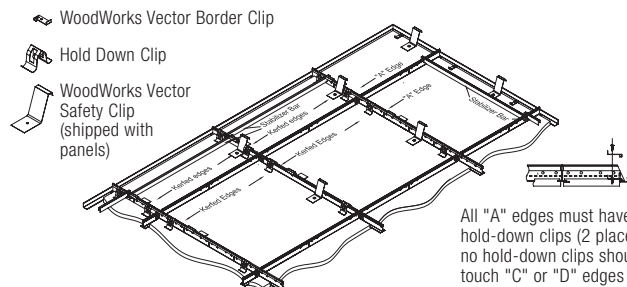
Color options see page 279. Trim cartons include AXTBC Clips and AXSPICE Plates.

Item Number*	Description	Dimensions (Inches) Nominal W x L x H	Pcs/Ctn.
AX4VESTR_ _ _	4" Axiom Vector®	120 x 3/4 x 4"	—
AX6VESTR_ _ _	6" Axiom Vector	120 x 3/4 x 6"	—
AX4VEQSI_ _ _	4" Inside Corner Post	3/4 x 3/4 x 4"	—
AX6VEQSI_ _ _	6" Inside Corner Post	3/4 x 3/4 x 6"	—
AX4VE0SCP_ _ _	4" Outside Corner Post	3/4 x 3/4 x 4"	—
AX6VE0SCP_ _ _	6" Outside Corner Post	3/4 x 3/4 x 6"	—
AXTBC	T-Bar Connector Clip	—	10
AXSPICE	Splice Plate with Setscrews	—	10

ACCESSORIES FOR VECTOR INSTALLATIONS

Item Number	Description
440	Border Clip (included in carton for 24" x 24" panels; shipped separately for 12" x 48" and 24" x 48")
442	Hold Down Clip
7425	24" Vector Stabilizer Bar
7445	48" Vector Stabilizer Bar

WoodWorks Vector Clip Arrangement



All "A" edges must have hold-down clips (2 places); no hold-down clips should touch "C" or "D" edges

WOODWORKS TRIM & ACCESSORIES

Natural Variations™, Constants™, and Images™* Trim

UP TO **92%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- certified wood*
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local** materials

Calculate LEED contribution at armstrong.com/greengenie

*OPTIONS AVAILABLE
**LOCATION DEPENDENT

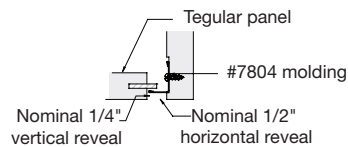
INSTALLATION ACCESSORIES

Item Number*	Description	Dimensions (Inches)	Color	Pieces/Carton
7805BL**	10' Angle Molding	120 x 1-1/2 x 1-1/2"	Tech Black	30
7823BL**	10' Shadow Molding	120 x 2 x 1-1/4 x 3/4"	Tech Black	10
7804BL	Angle Molding (recommended with wood trims)	7/8 x 144 x 9/16"	Black	2
FXTBC	T-Bar Connector Clip	–	–	10
FXVTBC	Vector® T-Bar Connector Clip	–	–	10
FXSPLICE	Splice Plate with Setscrews	–	–	10
FX4SPLICE	Splice Plate with Setscrews	–	–	10
6459BL	Rigid Attachment Clip	5-1/2 x 1-3/4"	Black	25
6091	Safety Cable	–	–	50
7891	12 Gauge Hanger Wire	144" Length	–	–
92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
SH12	Support Hanger	144 x 24"	N/A	12

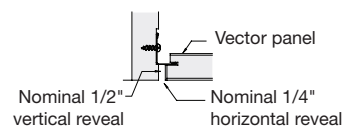
** This color is a special order item with these moldings.

WOODWORKS TRIM (WOOD SUBSTRATE) INSTALLATION

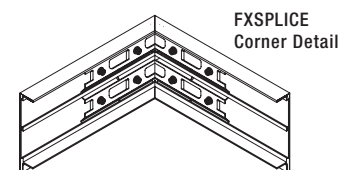
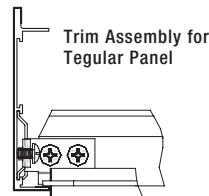
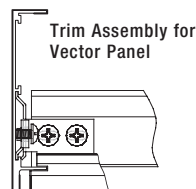
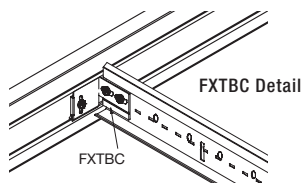
Trim with Tegular Panel



Trim with Vector Panel



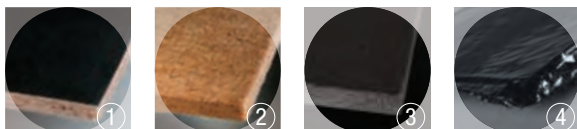
WOODWORKS TRIM (ALUMINUM SUBSTRATE) INSTALLATION



INFILL PANELS

Item Number	Description	Dimensions (Inches)	Colors	Pieces/Carton
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black Matte	12
6657	BioAcoustic Infill Panel	11 x 48 x 5/8"	Black Matte	12
5479	BioAcoustic Infill Panel	24 x 24 x 5/8"	Beige Matte	12
1728BL	Fine Fissured™ Square Lay-in Panel	24 x 24 x 5/8"	Tech Black	35
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black Gloss	12

DETAIL



1. BioAcoustic Infill Panel – Black
2. BioAcoustic Infill Panel
3. Fine Fissured™ Square Lay-in Panel
4. 1" Fiberglass Infill Panel



LINEAGE™ Wood Looks Laminate Plank Ceilings

UP TO **95%** RECYCLED CONTENT

LEED®

acoustics

energy

daylight & views

indoor air quality

renewable materials

recycled content

waste mgmt

local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Lineage Wood Looks Laminated Plank Ceilings in Rustic Pine

KEY SELECTION ATTRIBUTES

- Natural, consistent wood-grain look
- Economical alternative to custom millwork
- Pre-finished, durable surface – Washable, Scrubbable
- Maintenance-free; easy installation
- Paintable (Item 1480WHT)



TYPICAL APPLICATIONS

- Hospitality
- Retail/boutiques
- Restaurants
- Condominiums/apartments

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

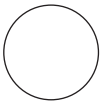
Edge Profile	Suspension Detail Dwg. Pgs. 226-228	Item Number	Dimensions	Fire Rating	Light Reflect	Durability		Recycled Content	Warranty†
						Wash	Scrub		
Beveled Tongue & Groove 	64	1480_ _ _ *	5" x 7" x 3/8" 	Class C	0.85** •	•	•	High	No. of Years 30

* When specifying or ordering, use the appropriate color suffix with the item number. Example: To order Lineage White, specify item 1480 W H I.

** White planks only.

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



White (WHT)
(Paintable)



Rustic Pine (RPN)



White Wash (WHW)

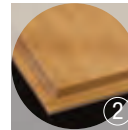
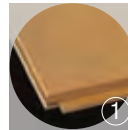


Natural Cherry (NCH)



Clear Maple (CLM)

DETAIL



1. Tongue and Groove Edge
2. Beveled Edge

PHYSICAL DATA

Material

Items 1480, RPN, WHW, NCH, CLM – Medium Density Fiberboard (MDF) with printed paper laminate
Item 1480WHT – Painted Medium Density Fiberboard (MDF)



Surface Finish
Urethane-based topcoat

Fire Performance

Class C per IBC. Flame Spread Index of 200 or less and Smoke Developed Index of 450 or less when tested in accordance with ASTM E84.

Please check building code or local code professional for appropriate building applications.

Typical Suspension Systems

Installs directly to metal or wood furring. Installation clips included with each carton.

Application Considerations

Not available in Canada.

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
1.62 lbs/SF; 29 SF/ctn

Minimum Order Quantity
1 carton



INFUSIONS® Panels and Sheets

Lay-in

smooth texture



Infusions 24" x 24" Lay-in Panels in Crystalline Focus

KEY SELECTION ATTRIBUTES

- Translucent ceiling panels in multiple sizes, colors, and patterns
- Dimensions – Splash, Large, and Small Beads create a 3D look with a unique honeycomb core
- Coordinate with Armstrong or other interior finishes, including Infusions Walls, Partitions, and Canopies, SoundScapes® Shapes and Blades or Create!™ ceilings
- 18" x 18" Infusions Lay-in infill panels now available for Metaphors® Coffers; for details, see page 189-192
- Lay-in panels install quickly and easily in standard 15/16" Prelude® XL® or 9/16" Suprafine® XL suspension system
- Infusions ceiling systems offer the industry's highest fire performance; panels meet both the Class A and IBC drop-out requirements for fire performance (drop-out tested to withstand 200° temperatures for 30 minutes)
- Can be used in Formations™ Accent Clouds
- 48" x 72" Polycarbonate and 48" x 96" PETG sheets available for use on other areas of a project like desk or bar fronts, dividers or wall art that must coordinate with Armstrong Infusions products



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: infusions

DETAIL



1. Infusions Lay-in panel
2. Infusions Lay-in panel with 15/16" Prelude suspension system

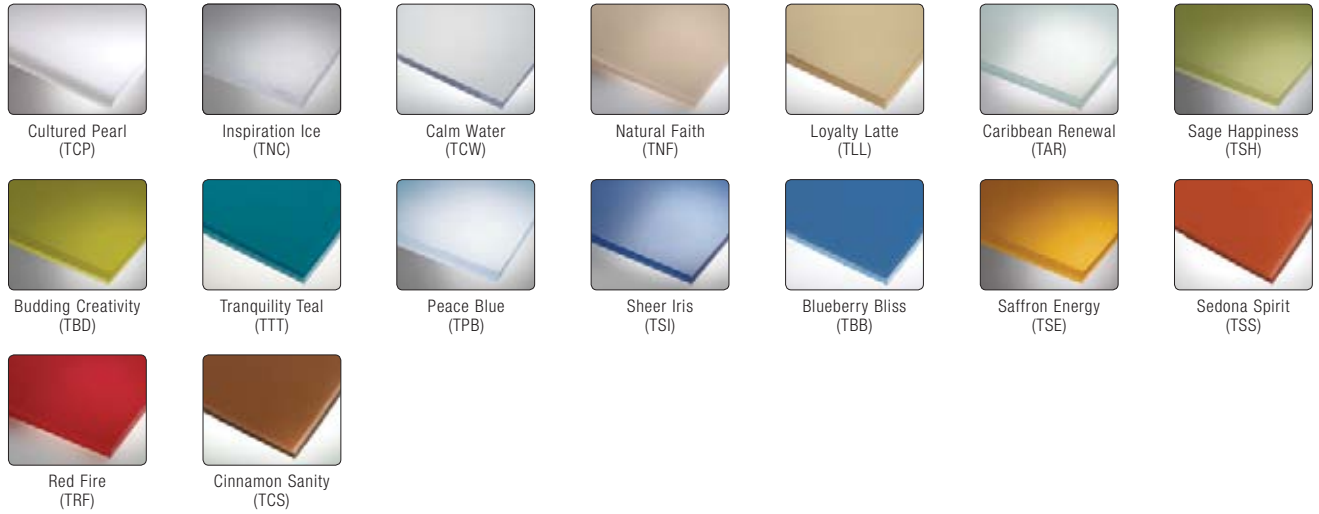
For: Infusions Partitions see page 322
Infusions Walls see pages 323-324
Infusions Canopies see pages 37-38
Infusions Wings see page 40

Custom cut shapes and sizes available; contact Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG, select options 1-1-4.

INFUSIONS® Panels and Sheets

Lay-in
smooth texture

COLOR SELECTION – SOLIDS Due to printing limitations, shade may vary from actual product



SoundScapes® Coordinating Colors



Infusions 24" x 24" lay-in panels in Indigo Surf on Prelude XL



TRANSLUCENT MATERIALS

INFUSIONS® Panels and Sheets

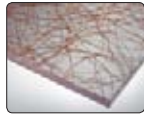
Lay-in
smooth texture

COLOR SELECTION – PATTERNS Due to printing limitations, shade may vary from actual product.

Goldtones



Honey Canvas
(THC)



Spun Copper
(TSC)



Crushed Copper
(TCC)

Linens



Linen Gold
(TLG)



Natural Linen
(TNL)*†



Blue Linen
(TBL)*†

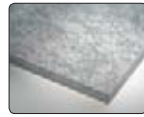
Crystallines



Crystalline Focus
(TCR)



Crystalline Silverado
(TSV)



Crystalline Sky
(TSY)

Tones-on-tones



Chalk Folio
(TCF)



White Circlets
(TWC)



Silver Orbit
(TSR)



Indigo Surf
(TNS)

Arbors



Clear Arbor
(TCA)



Blue Arbor
(TBA)



Orange Arbor
(TOA)

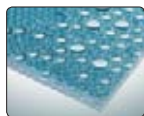


Red Arbor
(TRA)

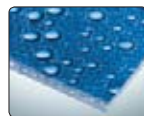
COLOR SELECTION – DIMENSIONS PATTERNS†



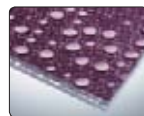
Splash Kiwi
(FZTRK)



Splash Reef
(FZTRR)



Splash Lagoon
(FZTRL)



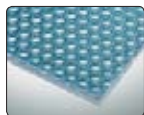
Splash Plum
(FZTRP)



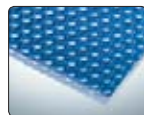
Splash Tangerine
(FZTRT)



Beads Large Kiwi
(FLTRK)



Beads Large Reef
(FLTRR)



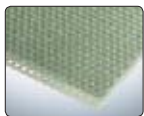
Beads Large Lagoon
(FLTRL)



Beads Large Plum
(FLTRP)



Beads Large
Tangerine (FLTRT)



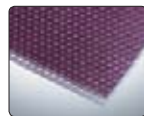
Beads Small Kiwi
(FSTRK)



Beads Small Reef
(FSTRR)



Beads Small Lagoon
(FSTRL)



Beads Small Plum
(FSTRP)



Beads Small
Tangerine (FSTRT)

NOTE: Dimensions patterns are only available as 12" x 48" and 24" x 24" Lay-in Ceiling panels. See page 142 for more information.

NOTE: Direction of linear patterns may change between panel sizes

* Color may vary panel-to-panel








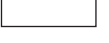








† Not available in sheets

INFUSIONS® Panels and Sheets

Lay-in
smooth texture

PANEL SELECTION

PERFORMANCE

Item No.*	Dimensions (Inches)	Fire Rating	Warranty
INFUSIONS Lay-in Panels			
 5911 __ __ ♦	12 x 48 x 1/8" 	Class A	No. of Years 1
 5922 __ __ ♦	24 x 24 x 1/8" 	Class A	1
 5912 __ __ ♦	24 x 48 x 1/4" 	Class A	1
 5913 __ __ ♦	24 x 72 x 1/4" 	Class A	1
Note: Red Arbor, Blue Arbor, Cultured Pearl, and Inspiration Ice are available in 1/4" thickness only for 12" x 48" and 24" x 24" sizes. For information about 18" x 18" Infusions Lay-in infill panels for Metaphors® Coffers, see pages 189-192.			
INFUSIONS Lay-in Panels – Dimensions Patterns			
 5914 __ __ __ __ ♦	12 x 48 x 0.44" 	Class A	1
 5915 __ __ __ __ ♦	24 x 24 x 0.44" 	Class A	1
INFUSIONS Sheets (not used for ceiling applications)			
 5976 __ __ ♦	48 x 72 x 1/4" 	Class A	1
 5978 __ __ ♦	48 x 96 x 1/4" 	Class A	1

*When specifying or ordering, include the appropriate 3- or 5-letter color suffix. (Example: 5911 I Q B , 5914 E Z I R K)

COLORS

Solids

Cultured Pearl (TCP)
Inspiration Ice (TNC)
Red Fire (TRF)
Cinnamon Sanity (TCS)
Sage Happiness (TSH)
Sedona Spirit (TSS)
Calm Water (TCW)
Loyalty Latte (TLL)
Caribbean Renewal (TAR)
Budding Creativity (TBD)

Tranquility Teal (TTT)
Sheer Iris (TSI)
Peace Blue (TPB)
Blueberry Bliss (TBB)
Saffron Energy (TSE)
Natural Faith (TNF)

SoundScapes®

Coordinating Colors
Refined Kiwi (TRK)
Refined Black (TRB)
Refined Reef (TRR)
Refined Plum (TRP)
Refined Tangerine (TRT)
Refined Cranberry (TRC)
Refined Lagoon (TRL)

Goldtones

Honey Canvas (THC)
Spun Copper (TSC)
Crushed Copper (TCC)
Tones-on-tones
Silver Orbit (TSR)
Chalk Folio (TCF)
Indigo Surf (TNS)
White Circlets (TWC)

Linens

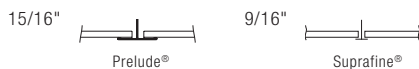
Blue Linen (TBL)
Linen Gold (TLG)
Natural Linen (TNL)
Crystallines
Crystalline Focus (TCR)
Crystalline Silverado (TSV)
Crystalline Sky (TSY)

Arbors

Clear Arbor (TCA)
Blue Arbor (TBA)
Orange Arbor (TOA)
Red Arbor (TRA)
Dimensions
Splash Plum (FZTRP)
Splash Reef (FZTRR)
Splash Kiwi (FZTRK)
Splash Lagoon (FZTRL)
Splash Tangerine (FZTRT)

Beads Large Kiwi (FLTRK)
Beads Small Kiwi (FSTRK)
Beads Large Reef (FLTRR)
Beads Small Reef (FSTRR)
Beads Large Plum (FLTRP)
Beads Small Plum (FSTRP)
Beads Large Lagoon (FLTRL)
Beads Small Lagoon (FSTRL)
Beads Large Tangerine (FLTRT)
Beads Small Tangerine (FSTRT)

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Polycarbonate (Dimensions panels – PETG and polycarbonate)

Surface Finish

Smooth

Fire Performance

Infusions panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 ARMSTRONG for specific US and Canadian fire performance data.

Design Considerations

Direction of linear patterns may change between panel sizes. Infusions panels are not approved for exterior application. Natural Linen and Blue Linen colors may vary panel to panel.

Installation Considerations

Do not allow panel edges to get wet.

Panels may be cut for borders, perimeter treatments, penetrations, and cutouts. For penetrations such as sprinklers, use an escutcheon plate to hide any rough cut edges. Any fixtures used in or adjacent to field-cut Infusions panels must be independently supported. There is potential for limited natural deflection of panels. See LA-297176 at armstrong.com/infusions for cutting recommendations.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F.

Follow these guidelines for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrong.com/infusions

Warranty

One (1) year limited warranty. See armstrong.com/warranty for details

Weight; Pieces/Carton

Items 5911, 5922 – 0.80 lbs/SF
Items 5912, 5913 – 1.63 lbs/SF
Items 5911, 5922 – 6 pcs/ctn
Item 5912 – 3 pcs/ctn
Item 5913 – 2 pcs/ctn
Items 5914, 5915 – 2.625 lbs/SF
Item 5914 – 4 pcs/ctn
Item 5976 – 1.63 lbs/SF
Item 5978 – 2.08 lbs/SF
Bulk package per order

HOW MINERAL FIBER OR FIBERGLASS CEILINGS COMBINE BEAUTIFUL DESIGN WITH GREAT ACOUSTICS



NRC/CAC/AC

Noise Reduction Coefficient (NRC)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC <50 is considered low, whereas one with NRC >70 is considered high performance.

NRC is important in any closed space where reverberation time and noise levels are an issue.

Ceiling Attenuation Class (CAC)

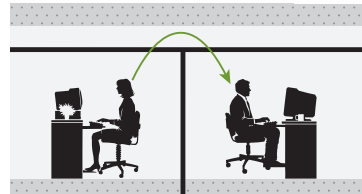
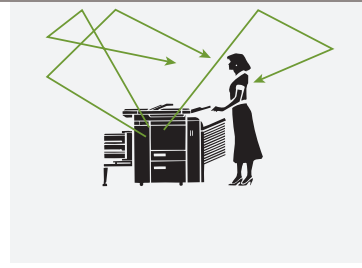
A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces, such as offices. A ceiling system with a CAC ≤ 25 is considered low performance, whereas one with CAC ≥ 38 is high performance.

CAC is important between closed spaces and from closed rooms to adjacent spaces such as corridors.

Articulation Class (AC)

A measure for rating the attenuation of reflected speech passing over the top of wall partitions or furniture into the adjoining work stations. A ceiling system with AC ≤ 150 is low performance, whereas one with AC ≥ 180 is high performance.

AC is important between adjacent cubicles in open plan spaces.



OPEN OFFICE 5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet

Ceiling	No Treatment (0% Coverage)	Continuous Optima® Ceiling (100% Coverage)
Ceiling	Exposed Structure	Suspended 60" Below Deck
NRC	0	0.90
Reverberation Time (RT)	3.4 sec	0.5 sec
RT Improvement	ref	86%
SPL Reduction (dB)	ref	-6.0
Privacy Index (60" partition height)	48%	61%

CLOSED OFFICE (14' x 14', drywall, carpet)

Ceiling	Drywall Ceiling (100% Coverage)	Continuous Ultima® Ceiling (100% Coverage)
Ceiling	Suspended 60" Below Deck	Suspended 60" Below Deck
NRC	0	0.70
Reverberation Time (RT)	3.4 sec	0.5 sec
Privacy Index	63%	98%

For definitions of acoustical terms, see page 333 in this catalog.

Be Sure You Get the Acoustic Values You Specify

UL Classified Acoustics Since 1998

Armstrong carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.

This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

optima

Optima® Vector® 48" x 48" panels on Prelude® XL® 15/16" suspension system in White Johnson & Wales University, North Miami, FL



MINERAL FIBER / FIBERGLASS

MINERAL FIBER AND FIBERGLASS

At-a-Glance

Search

It's all online at armstrong.com/commceilings

MINERAL FIBER Product information listed pertains to product families, and may not apply to individual items. Consult product details at armstrong.com/commceilings before specifying/purchasing.

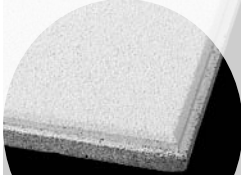
 <p>ARMATUFF®</p>  <p>SSS pg. 148</p>	 <p>CALLA™</p>  <p>pg. 148A-148B</p>	 <p>CERAMAGUARD® CERAMAGUARD® Fine Fissured™</p>  <p>SSS pg. 149</p>	 <p>CIRRUS® FastSize It!® CIRRUS Second Look®</p>  <p>pgs. 150-152, 157-158</p>	 <p>CIRRUS® High-NRC</p>  <p>SSS pgs. 153-154</p>
 <p>CIRRUS® Profiles</p>  <p>pgs. 155-156</p>	 <p>Clean Room™ FL</p>  <p>SSS pgs. 161-162</p>	 <p>Clean Room™ VL</p>  <p>SS pgs. 161-162</p>	 <p>VL</p>  <p>SS pgs. 161-162</p>	 <p>CORTEGA® CORTEGA Second Look®</p>  <p>SS pgs. 163-164</p>
 <p>DESIGNER</p>  <p>SS pg. 168</p>	 <p>DUNE™ DUNE Second Look®</p>  <p>SS pgs. 169-171</p>	 <p>FINE FISSURED™ FINE FISSURED Second Look®</p>  <p>SS pgs. 172-176, 179</p>	 <p>FINE FISSURED™ High-NRC</p>  <p>SS pgs. 177-178</p>	 <p>School Zone™ FINE FISSURED™ School Zone™ GEORGIAN™</p>  <p>SS pgs. 215-216</p>
 <p>FISSURED™</p>  <p>SS pg. 180</p>	 <p>GEORGIAN™</p>  <p>SS pgs. 181-182</p>	 <p>GEORGIAN™ High Washability</p>  <p>SS pgs. 181-182</p>	 <p>MESA™ MESA Second Look II®</p>  <p>SS pgs. 187-188</p>	 <p>TUNDRA®</p>  <p>SS pg. 221</p>



Look for this icon indicating new products or new additions to product families. Visit our web site for details.

***FastSize™ Ceiling Panels** The sizes you need... factory finished... one carton minimums... shipped fast! Available in select Cirrus®, Optima®, Optima Capz™, and Ultima® panels. See "Item No." column on product pages for size availability.

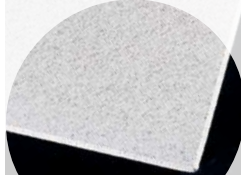
MINERAL FIBER continued



ULTIMA® FastSize It!®
ULTIMA with AirGuard™ Coating



pgs. 223-228



ULTIMA® Health Zone™



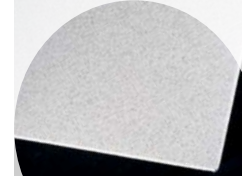
pg. 233



ULTIMA® High-NRC FastSize It!®



pgs. 229-230



ULTIMA® Vector® FastSize It!®



pgs. 231-232

FIBERGLASS



ALTITUDES™ Torsion Spring



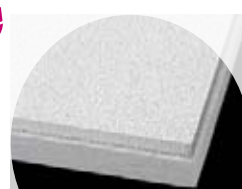
pgs. 147A-147B



LYRA™



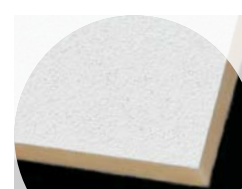
pgs. 186A-186B



OPTIMA® FastSize It!®



pgs. 194-200, 203-204



OPTIMA® with Plant-Based Binder



pgs. 194-200



OPTIMA® Vector® FastSize It!®
OPTIMA Vector with Plant-Based Binder



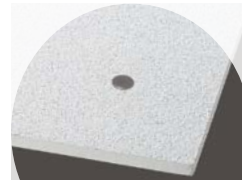
pgs. 201-202



OPTIMA® Health Zone™



pgs. 205-206



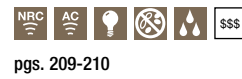
OPTIMA® Capz™
SPECTRA™ Capz



pgs. 31-32



PAINTED NUBBY™



pgs. 209-210



PEBBLE™



pg. 211-212



RANDOM FISSURED™



pg. 213



SHASTA®



pg. 214

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

High Acoustics

NRC Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

AC Product has AC (Articulation Class) 170 or greater.

CAC Product has CAC (Ceiling Attenuation Class) of 38 or higher.

Fire Performance

Fire Guard™/Fire Resistive products tested in specific UL floor/ceiling or roof/ceiling design assemblies.

High Light Reflectance

Light Reflectance average of 0.83 or greater.

BioBlock® Plus

BioBlock Inhibits or retards growth of mold/mildew and odor/stain-causing bacteria on surface layers.

Humidity/Sag Resistance

HumiGuard® Max

HumiGuard Max Maximum humidity resistance, including outdoor applications.

HumiGuard Plus

HumiGuard Plus Superior sag resistance, recommended for areas subject to high humidity, up to standing water and outdoor applications.

Standard

Standard performance, adequate where the building is enclosed and the HVAC is continually functioning.

High Durability

Water-Repellent

Water-Repellent Product resists water for 15 minutes allowing proper cleaning for infection control.

Washability

Washability Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per ASTM D4828.

Scrubability

Scrubability Withstands up to 150 scrub cycles using a scrubability tester as per ASTM D2486.

Impact Resistance

Impact Resistance Excellent resistance to surface impact as per striking ball test.

Scratch Resistance

Scratch Resistance Excellent resistance to surface scratching, scuffing or chipping as per Hess Rake Test.

Soil Resistance

Soil Resistance Excellent resistance to dirt and/or grease; for lasting value and performance as per simulated air diffuser soiling test.

Plenum Access

Plenum Access Downward access for Vector panels minimizes panel damage.

Color Availability

Color Availability Available in color.

Recycle Program

Recycle Program Product is recyclable through the Armstrong Recycling Program.

Recycling Ceiling-2-Ceiling™ post-consumer recycled content from reclaimed ceilings.

Relative Pricing

(Mineral Fiber / Fiberglass)

\$\$\$\$

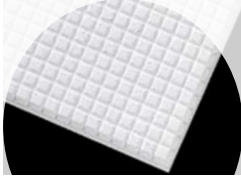
Installed cost guidelines. Varies by geography. Contact your local representative or distributor for specific pricing in your area.

1 \$ = lowest pricing 4 \$'s = highest

MINERAL FIBER CEILING – DESIGN OPTIONS

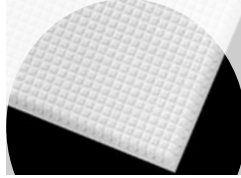
At-a-Glance

GEOMETRIC DESIGNS



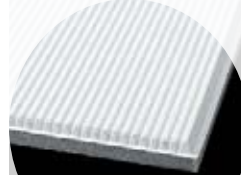
GRAPHIS® Finetex™
Cubic

§§§§ pgs. 183-184



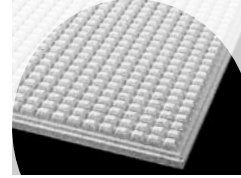
GRAPHIS® Finetex™
NeoCubic™

§§§§ pgs. 183-184



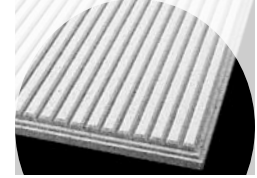
GRAPHIS® Finetex™
Wrapped Linear™

§§§§ pgs. 183-184



GRAPHIS® Rustex™
Cubic Beveled

§§§§ pgs. 183-184



GRAPHIS® Rustex™
Linear Beveled

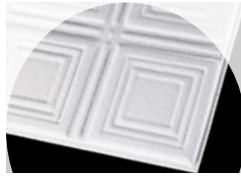
§§§§ pgs. 183-184

TIN LOOKS



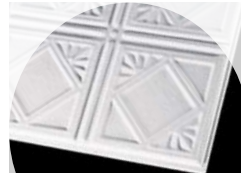
TINCRAFT™ Circles
with Faux Coat Finish

§§§§ pgs. 219-220



TINCRAFT Squares™

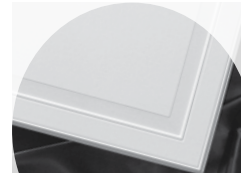
§§§§ pgs. 219-220



TINCRAFT Triangles™

§§§§ pgs. 219-220

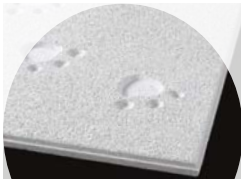
PANELLED LOOK



LEDGES®

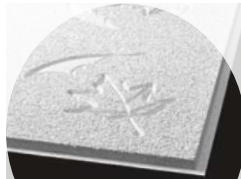
§§§§ pgs. 185-186

ETCHED DESIGNS



CIRRUS Themes™ Critters™

§§§§ pgs. 159-160



CIRRUS Themes™ Leaves™

§§§§ pgs. 159-160



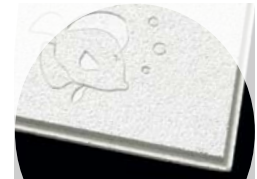
CIRRUS Themes™ Stars™

§§§§ pgs. 159-160



CIRRUS Themes™ Things That Fly™

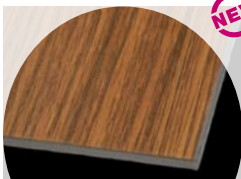
§§§§ pgs. 159-160



CIRRUS Themes™ Under the Sea™

§§§§ pgs. 159-160

WOOD LOOKS



ULTIMA® Health Zone™ Create!™

§§§§ pgs. 165-167



ULTIMA®, ULTIMA Health Zone™
and OPTIMA® Create!™

§§§§ pgs. 165-167

NEW

NEW

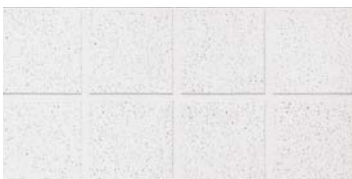
ACCESSORIES



Sound Diffusers

pg. 313

SCORED DESIGNS



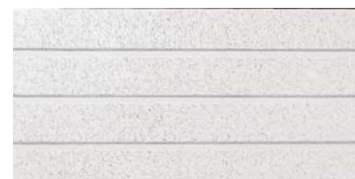
Second Look® I – CIRRUS®, CORTEGA®,
DUNE™, and FINE FISSURED™

§§ pgs. 157-158, 163-164, 171, 179



Second Look® II – CIRRUS®, CORTEGA®,
DUNE™, FINE FISSURED™, and MESA™

§§ pgs. 157-158, 163-164, 171, 179, 187-188



Second Look® III – CIRRUS®, FINE FISSURED™

§§ pgs. 157-158, 179



ALTITUDES™ Torsion Spring

Concealed
fine texture



Altitudes Torsion Spring In White

KEY SELECTION ATTRIBUTES

- Monolithic look from sag-resistant large size panels
- Sizes up to 60" x 120" or 48" x 144" with or without up turns
- Shaped/curved panels available**
- Excellent acoustical performance – NRC (0.85)

** Two opposite sides of panel must be straight

- Wide variety of colors or fabric options available
- Smooth, clean, durable finish
- Downward accessible with tool
- Energy-saving high light-reflective finish (white)
- Non-directional visual

TYPICAL APPLICATIONS

- Transportation
- Office
- Lobby areas
- Auditoriums

COLOR SELECTION



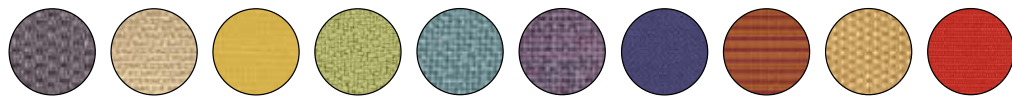
White
(WH)

CUSTOM FINISHES (Small representation of available colors) Due to printing limitations, shade may vary from actual product.

Painted*



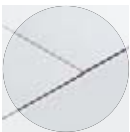
Fabric†



* Choose colors from Sherwin-Williams® Durations or Harmony flat interior paint families. When ordering, use Sherwin-Williams 4-digit color code (SW ____).

† Wide variety of fabrics available from manufacturers like Guilford of Maine®, Maharam®, Momentum, Knoll®, Carnegie, and Designtex®.

DETAIL



Contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4 for custom colors, fabrics, or color matching requests.





ALTITUDES™ Torsion Spring

Concealed
fine texture

35% RECYCLED CONTENT

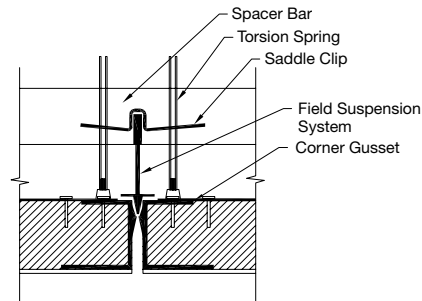
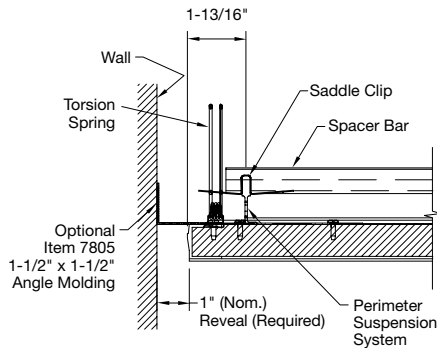
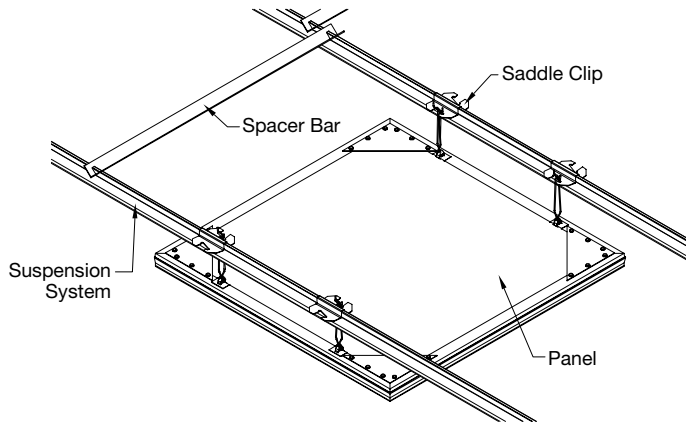
LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

INSTALLATION DETAILS



PHYSICAL DATA

Material

Aluminum framed 6-7 pcf fiberglass and 16-20 pcf impact-resistant molded fiberglass with polypropylene based vapor barrier

Surface Finish

Factory-applied latex paint or woven fabric

Fire Performance

Class A per IBC. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Recycled Content

35% recycled content with minimum 9% post-consumer content.

Design Consideration

Shape panels are available, however, the panel must have two straight sides opposite each other. Other sides may be curved.

Installation Considerations

Clean, white gloves should be worn when installing panels to keep them free from dust or soiling.

Approximately 6" of clearance is needed to accommodate this system

Design Support

Project management assistance is available by calling 1 877 ARMSTRONG, options 1-1-4 to work with the Architectural Specialties project management team.

Seismic Considerations

System has been designed, tested and approved. See full installation instructions for seismic requirements.

Warranty

Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton

Bulk crated

Minimum Order Quantity

1 carton

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FIBERGLASS

147B

TechLineSM / 1 877 ARMSTRONG
armstrong.com/altitudes
BPCS-4786-514



ARMATUFF®

Square Lay-in
coarse texture

UP TO **40%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Armatuff with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Durable
 - Impact-resistant
 - Scratch-resistant
- Can be installed before building is enclosed
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth



Armatuff damage-resistant panels will withstand impact from non-deliberate contact with volleyballs and basketballs normally found in gymnasium activities. The Retention Clips allow the panels to deflect slightly, absorbing the force of the impact, while still providing a mechanism to prevent the panels from being dislodged from the suspension system.

TYPICAL APPLICATIONS

- Corridors
- Locker rooms
- Auditoriums
- Gymnasiums
- Cafeteriums/multipurpose rooms

COLOR



White

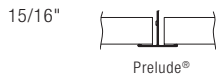
VISUAL SELECTION

PERFORMANCE

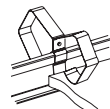
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability		Recycled Content	Recycle Program	Warranty†
				NRC	CAC						Impact	Scratch			
ARMATUFF															
15/16" Square Lay-in	1	861	24 x 24 x 3/4" □	0.50	33	Class A	0.87	BioBlock+	Humi-Guard+	–	•	•	Std	•	30
	1	860	24 x 48 x 3/4" □	0.50	35	Class A	0.87	•	•	–	•	•	Std	•	30
	1	Other Sizes	W: 6" - 30" / L: 12" - 50" 3/4" Thick	0.50	35	Class A	0.87	•	•	–	•	•	Std	•	30

SUSPENSION SYSTEMS



ACCESSORIES



414 - Retention Clip (ordered separately)
Attaches to main beams and cross tees behind lay-in ceilings; helps prevent panel displacement from non-deliberate contact by basketballs and other forces from below the ceiling.

PHYSICAL DATA

Material
Wet-formed high density mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

Insulation Value
R Factor – 1.7 (BTU units)
R Factor – 0.30 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
860 – 1.13 lbs/SF; 64 SF/ctn
861 – 1.23 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
861M, 860M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



TechLineSM / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: armatuff)
BPCS-3041-813

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Printed in the United States of America



NEW

CALLA™

Now available with Colorations™ Colors

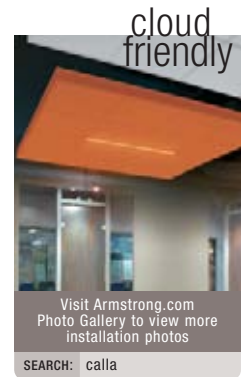
Square Lay-in, Tegular
smooth texture



10-YEAR
Availability



Calla Beveled Tegular with Suprafine® XL® 9/16" suspension system



KEY SELECTION ATTRIBUTES

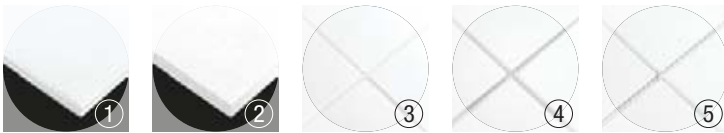
- Now available in Colorations 13 standard colors with coordinating suspension systems and trim. Made-to-order Sherwin-Williams® colors available.
- The smoothest finish mineral fiber ceiling panel available
- Cool White visual
- Excellent combination of acoustical performance; NRC (0.85) and CAC (28)*

- Washable*, Impact-resistant, Scratch-resistant, Soil-resistant
- Product can be recycled through the Armstrong Recycling Program
- Compatible with the TechZone™ Ceiling Systems*
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices – open plan and closed plan, and multiple use spaces
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

DETAIL (Other Suspension Systems compatible. Refer to listing on reverse side of this data page.)



1. Calla Beveled Tegular
2. Calla Square Lay-in
3. Calla Beveled Tegular with Suprafine 9/16" suspension system
4. Calla Beveled Tegular with Silhouette® XL 9/16" suspension system with 1/4" or 1/8" reveal
5. Calla Beveled Tegular with Interlude® XL 9/16" suspension system

COLOR



White (WH)

* White only

NEW

GALLA™

Now available with Colorations™ Colors

Square Lay-in, Tegular
smooth texture

68% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



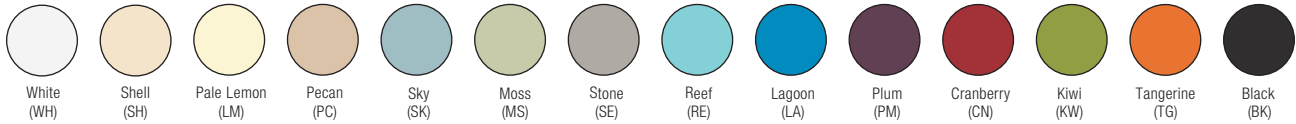
VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 271-275 armstrong.com/catdwgs	Item No.	Dimensions	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*		
				NRC	CAC						AC	Wash	Impact	Scratch					Soil	No. of Years
CALLA Square Lay-in				UL Classified**																
15/16" Square Lay-in	1	2820	24 x 24 x 7/8"	0.85	28	170	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
15/16" Square Lay-in	1	2821	24 x 48 x 7/8"	0.85	28	170	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
CALLA Tegular																				
15/16" Beveled Tegular	15	2822	24 x 24 x 7/8"	0.85	28	170	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
9/16" Beveled Tegular	29, 43, 48, 52, 56, 60	2824_♦♦	24 x 24 x 7/8"	0.85††	28	170	Class A	0.86**	•	•	•**	•**	•	•	•	•	High	•	30	

♦♦ Available in Colorations Standard colors. When specifying or ordering Colorations, add the 2-letter suffix to the end of the item number (e.g., 2824LA – Lagoon)
 †† Products in Colorations finish could see a decrease of 5-7% in NRC value
 ** White only

COLORATIONS COLOR SELECTION Due to printing limitations, shade may vary from actual product.



SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Design Considerations
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

High Recycled Content*
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.9 (BTU units)
R Factor – 0.445 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight: Square Feet/Carton
2820, 2822, 2824 – 1.0 lbs/SF; 40 SF/ctn
2821 – 1.0 lbs/SF; 48 SF/ctn



MINERAL FIBER





CERAMAGUARD®/ CERAMAGUARD FINE FISSURED™

Square Lay-in
smooth texture

UP TO **37%** RECYCLED CONTENT

LEED®

acoustics

energy

daylight & views

indoor air quality

renewable materials

recycled content

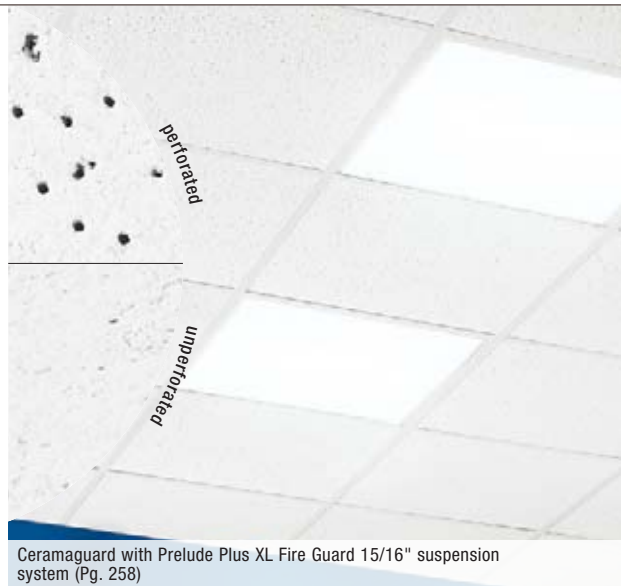
waste mgmt

local* materials

Calculate LEED contribution at armstrong.com/greengenie
*LOCATION DEPENDENT

10-YEAR Availability

Items
605
607
608



Ceramaguard with Prelude Plus XL Fire Guard 15/16" suspension system (Pg. 258)

KEY SELECTION ATTRIBUTES

- Inorganic product. Resistant to the growth of mold, mildew, and bacteria.
- Durable – Washable, Scrubbable, Soil-resistant
- Resistance to chemical fumes
- Non-directional visual reduces installation time and scrap
- Superior resistance to sagging in high humidity conditions including standing water and outdoor applications
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Laboratories
- Locker rooms/indoor pools
- Hydrotherapy/shower areas
- Food preparation areas (unperforated only)
- Exterior soffits/canopies
- Indoor parking garages
- Marine use (See note under "Application Considerations")

COLOR



White

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Recycled Content	Recycle Program	Warranty*	
				NRC	CAC						Wash	Scrub	Soil				
CERAMAGUARD* - UNPERFORATED				UL Classified													
15/16" Square Lay-in	1	605	24 x 48 x 5/8"	N/A	40	Fire Guard	0.88	•	•	•	•	•	•	•	Std	-	30
CERAMAGUARD FINE FISSURED - PERFORATED																	
15/16" Square Lay-in	1	607	24 x 24 x 5/8"	0.55	38	Fire Guard	0.82	•	•	•	•	•	•	•	Std	-	30
	1	608	24 x 48 x 5/8"	0.55	40	Fire Guard	0.82	•	•	•	•	•	•	•	Std	-	30

* Plain pattern (unperforated) is not appropriate where aesthetics or visual consistency is important.

SUSPENSION SYSTEMS

15/16"



Prelude®, Prelude Plus XL® Aluminum, Prelude XL Fire Guard, Prelude Plus XL Fire Guard, Prelude Plus XL Stainless Steel, Prelude XL for Exterior Applications

PHYSICAL DATA

Material

Ceramic and mineral fiber composite

Surface Finish

Scrubable factory-applied plastic paint finish

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification

Type XX (high density ceramic-like composition with scrubable finish). Pattern C E (items 607, 608); Pattern G (item 605) Fire Class A



Sag Resistance

HumiGuard® Max – superior resistance to sagging in high humidity conditions including standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

Totally inorganic product. Resistant to the growth of mold, mildew, and bacteria.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED. CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value

R Factor — 1.4 (BTU units)
R Factor — 0.25 (Watts units)

Application Considerations

For outdoor soffits and canopies, wind uplift should be considered. Ceramaguard is non-combustible per ASTM E136 and ISO 1182. See USCG Approval 164.109/52/0 for marine applications in all waters.

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight: Square Feet/ Carton

605, 608 – 1.52 lbs/SF; 48 SF/ctn
607 – 1.48 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

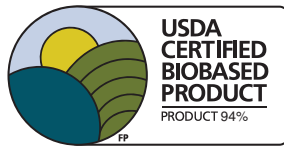
605M, 607M, and 608M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine™ / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: ceramaguard)
BPCS-3224-813

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CIRRUS®
Square Lay-in
medium texture



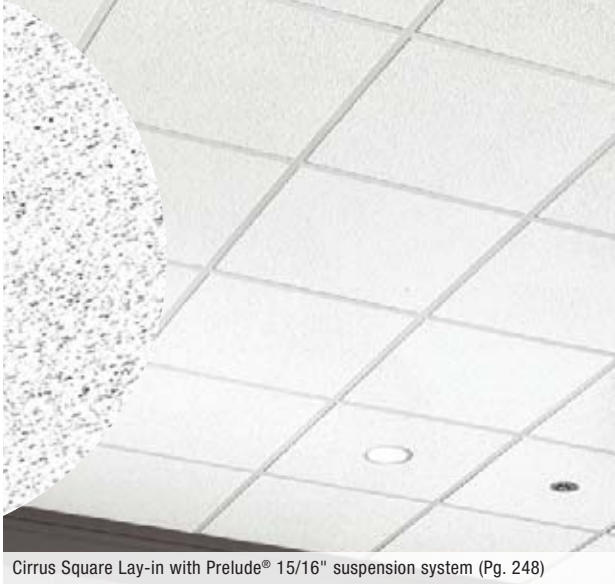
UP TO **86%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



Cirrus Square Lay-in with Prelude® 15/16" suspension system (Pg. 248)

KEY SELECTION ATTRIBUTES

- Refined visual
- Excellent sound absorption
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options:
Items 574HRC and 533HRC.
71% Pre-consumer;
15% Post-consumer
- 94% Biobased content (see page 331)

TYPICAL APPLICATIONS

- Offices
- Healthcare – Assists in addressing HIPAA and FGI acoustical requirements
- Conference rooms
- Lobbies
- Public spaces/areas
- Department stores/retail



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: cirrus

COLOR



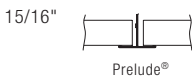
White

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC										
CIRRUS Square Lay-in															
15/16" Square Lay-in	1	574 574HRC	24 x 24 x 3/4" 24 x 24 x 3/4"	UL Classified	0.70 •	35	Class A	0.86 •	•	•	Std	Below 11MJ/SF •	High	•	30
	1	533 533HRC	24 x 48 x 3/4" 24 x 48 x 3/4"		0.70 •	35	Class A	0.86 •	•	Std	Std	•	High	•	10
	1	FastSize™	W: 4" - 24" / L: 4" - 48" 3/4" Thick		0.70 •	35	Class A	0.86 •	•	Std	Std	•	High	•	10

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type III, Form 1, Pattern E I
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. Excludes items 533, 533HRC, and large sizes.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

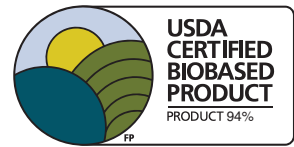
Weight; Square Feet/Carton
533 – 1.21 lbs/SF; 48 SF/ctn
574 – 1.10 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
574M, 533M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



CIRRUS®
Tegular
 medium texture



10-YEAR Availability Items 584, 589



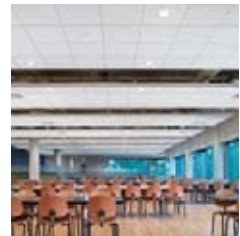
Cirrus Beveled Tegular with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- Refined visual
- Excellent sound absorption
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: Items 589HRC, 539HRC, 584HRC, 535HRC. 71% Pre-consumer; 15% Post-consumer
- 94% Biobased content (see page 331)

TYPICAL APPLICATIONS

- Offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Conference rooms
- Lobbies
- Department stores/retail
- Public spaces/areas



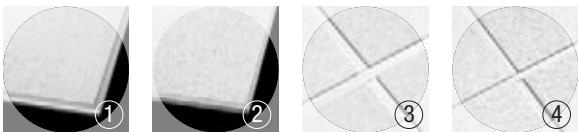
Visit Armstrong.com Photo Gallery to view more installation photos
 SEARCH: cirrus

COLOR SELECTION Due to printing limitations, shade may vary from actual product.



Items 584, 589 are available in colors. All other items are available in White only. Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAIL (Other Suspension Systems compatible. Refer to listing on page 152.)



1. Cirrus Angled Tegular
2. Cirrus Beveled Tegular
3. Cirrus Angled Tegular with Prelude® 15/16" suspension system
4. Cirrus Beveled Tegular with Suprafine 9/16" suspension system

CIRRUS®

Tegular

medium texture

HRC items contain 15% or greater post-consumer recycled ceilings



UP TO 86% RECYCLED CONTENT

EPD AVAILABLE For select items only

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

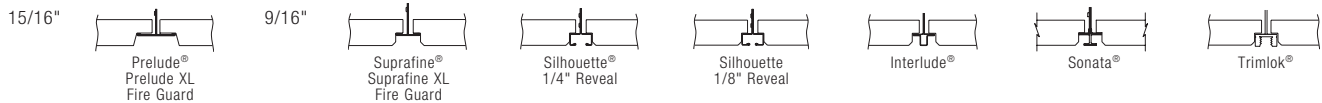
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdws	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†		
				NRC	CAC												
CIRRUS Tegular																	
	13	584 ** 584HRC 584M	24 x 24 x 3/4" □	0.70	35	Class A	0.86	•	•	•	Std	Below 11MJ/SF	High High High	•	30		
			24 x 24 x 3/4" □ 600 x 600 x 19mm	•	•	•	•	•	•	•	•	•	•	•	•	•	
			13	578	24 x 24 x 3/4" □	0.35	35	Fire Guard	0.86	•	•	-	Std	-	Std	•	30
					24 x 24 x 3/4" □	•	•	•	•	•	•	•	•	•	•	•	•
			13	534**	24 x 24 x 7/8" □	0.70	38	Class A	0.86	•	•	-	Std	-	High	•	30
					24 x 24 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•
			13	572**	24 x 24 x 7/8" □	0.70	40	Class A	0.86	•	•	-	Std	-	High	•	30
					24 x 24 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•
	13	581**	24 x 48 x 7/8" □	0.70	40	Class A	0.86	•	Std	-	Std	-	High	•	10		
			24 x 48 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•	•	
	13	535 535HRC	24 x 48 x 3/4" □	0.70	35	Class A	0.86	•	Std	•	Std	•	High High	•	10		
			24 x 48 x 3/4" □	•	•	•	•	•	•	•	•	•	•	•	•	•	
	13	FastSize™	W: 4" - 24" / L: 4" - 48" 3/4" thick	0.70	35	Class A	0.86	•	Std	•	Std	•	Std	•	10		
			W: 4" - 24" / L: 4" - 48" 3/4" thick	•	•	•	•	•	•	•	•	•	•	•	•	•	
	29, 44, 48, 52, 56, 60	589 ** 589HRC 589M	24 x 24 x 3/4" □	0.70	35	Class A	0.86	•	•	•	Std	•	High High High	•	30		
			24 x 24 x 3/4" □ 600 x 600 x 19mm	•	•	•	•	•	•	•	•	•	•	•	•	•	
			29, 44, 48, 52, 56, 60	538**	24 x 24 x 7/8" □	0.70	38	Class A	0.86	•	•	-	Std	-	High	•	30
					24 x 24 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•
			29, 44, 48, 52, 56, 60	577	24 x 24 x 3/4" □	0.35	35	Fire Guard	0.86	•	•	-	Std	-	Std	•	30
					24 x 24 x 3/4" □	•	•	•	•	•	•	•	•	•	•	•	•
			29, 44, 48, 52, 56, 60	576**	24 x 24 x 7/8" □	0.70	40	Class A	0.86	•	•	-	Std	-	High	•	30
					24 x 24 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56, 60	583**	24 x 48 x 7/8" □	0.70	40	Class A	0.86	•	Std	-	Std	-	High	•	10		
			24 x 48 x 7/8" □	•	•	•	•	•	•	•	•	•	•	•	•	•	
	29, 44, 48, 52, 56, 60	539 539HRC	24 x 48 x 3/4" □	0.70	35	Class A	0.86	•	Std	•	Std	•	High High	•	10		
			24 x 48 x 3/4" □	•	•	•	•	•	•	•	•	•	•	•	•	•	
	29, 44, 48, 52, 56, 60	FastSize™	W: 4" - 24" / L: 4" - 48" 3/4" thick	0.70	35	Class A	0.86	•	Std	•	Std	•	Std	•	10		
			W: 4" - 24" / L: 4" - 48" 3/4" thick	•	•	•	•	•	•	•	•	•	•	•	•	•	

** Add 2-letter color suffix to item number when specifying or ordering (e.g., 584 Q B).

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification

Type III, Form 1, Pattern E I
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. Excludes items 535, 539, 581, 583.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

534, 538, 572, 576 – 1.38 lbs/SF; 40 SF/ctn
535, 539, 581, 583 – 1.21 lbs/SF; 48 SF/ctn
577, 578 – 1.25 lbs/SF; 48 SF/ctn
584, 589 – 1.06 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

584M, 578M, 534M, 572M, 581M, 535M, 589M, 538M, 577M, 576M, 583M, 539M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

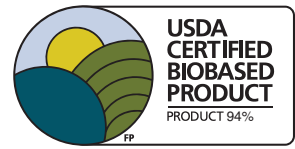


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CIRRUS® High-NRC
Square Lay-in & Tegular
 medium texture



Cirrus High-NRC with Silhouette® 9/16" 1/4" reveal suspension system (Pg. 261)

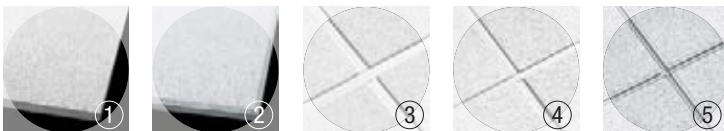
KEY SELECTION ATTRIBUTES

- Refined visual
- Excellent solution in mixed (open plan/closed plan) office design
- Excellent combination of acoustical performance; Articulation Class (170), NRC (0.75), and CAC (35)
- 94% Biobased content (see page 331)

TYPICAL APPLICATIONS

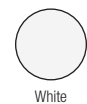
- Open plan and closed offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Libraries/media centers
- Lobbies/reception areas
- Computer rooms

DETAIL (Other Suspension Systems compatible. Refer to listing on page 154.)



1. Cirrus High-NRC Square Lay-in
2. Cirrus High-NRC Beveled Tegular
3. Cirrus High-NRC Angled Tegular with Prelude® 15/16" suspension system
4. Cirrus High-NRC Beveled Tegular with Suprafine® 9/16" suspension system
5. Cirrus High-NRC Beveled Tegular with Silhouette 9/16" 1/4" Reveal suspension system

COLOR



CIRRUS® High-NRC

Square Lay-in & Tegular
medium texture

UP TO **73%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics			Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty*
				NRC	CAC	α _{0.5}									
CIRRUS High-NRC				UL Classified					BioBlock+	Humi-Guard+				Yes	No. of Years
15/16" Square Lay-in	1	563	24 x 24 x 7/8" □	0.75	35	170	Class A	0.85	•	•	•	Std	High	•	30
	1	565	24 x 48 x 7/8" □	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10
	1	Other Sizes	W: 4" - 24" / L: 4" - 48" 7/8" thick	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10
15/16" Angled Tegular	13	556	24 x 24 x 7/8" □	0.75	35	170	Class A	0.85	•	•	•	Std	High	•	30
	13	551	24 x 48 x 7/8" □	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10
	13	Other Sizes	W: 4" - 24" / L: 4" - 48" 7/8" thick	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	558	24 x 24 x 7/8" □	0.75	35	170	Class A	0.85	•	•	•	Std	High	•	30
	29, 44, 48, 52, 56, 60	568	24 x 48 x 7/8" □	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10
	29, 44, 48, 52, 56, 60	Other Sizes	W: 4" - 24" / L: 4" - 48" 7/8" thick	0.75	35	170	Class A	0.85	•	Std	•	Std	High	•	10

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 1, Pattern E I C
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. Excludes items 565, 551, 568, and other sizes.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 2.3 (BTU units)
R Factor – 0.40 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

551, 565, 568 – 1.21 lbs/SF; 48 SF/ctn
556, 558 – 1.40 lbs/SF; 40 SF/ctn
563 – 1.33 lbs/SF; 40 SF/ctn

Minimum Order Quantity

1 carton, excludes other sizes

Metric Items Available

558M, 568M, 556M, 561M, 563M, 565M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



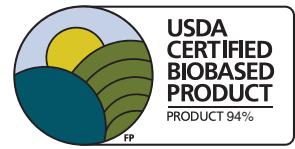
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armstrong.com/commcceilings
(search: cirrus)
BPCS-3043-813

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CIRRUS® Profiles

Chamfered, Beveled & Classic Step™ – Tegular
medium texture



Cirrus Classic Step with Suprafine® 9/16" suspension system (Pg. 266)

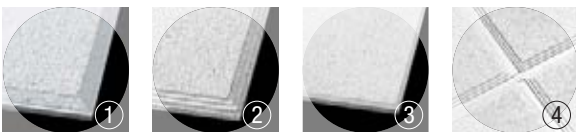
KEY SELECTION ATTRIBUTES

- Classic edge details on refined Cirrus texture
- High quality factory-finished edge detail
- Excellent sound absorption
- 94% Biobased content (see page 331)

TYPICAL APPLICATIONS

- Offices
- Conference rooms
- Lobbies/reception areas
- Public spaces/areas

DETAIL (Other Suspension Systems compatible. Refer to listing on page 156.)



1. Cirrus Chamfered
2. Cirrus Classic Step
3. Cirrus Beveled Tegular
4. Cirrus Classic Step with Suprafine 9/16" suspension system

COLOR



White

CIRRUS® Profiles

Chamfered, Beveled & Classic Step™ – Tegular

medium texture

UP TO **63%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE For select items only

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

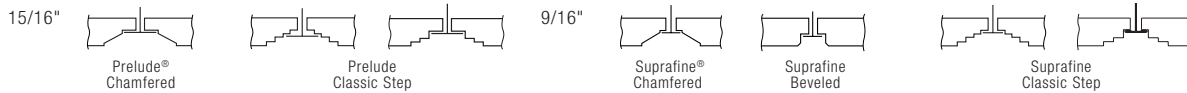
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC										
CIRRUS Profiles Chamfered**				UL Classified				BioBlock+	Humi-Guard+			Below 11MJ/SF		Yes	No. of Years
15/16" Tegular	17	628	24 x 24 x 3/4" □	0.65	35	Class A	0.85	•	•	•	Std	•	High	•	30
9/16" Tegular	30	557	24 x 24 x 3/4" □	0.65	35	Class A	0.85	•	•	•	Std	•	High	•	30
CIRRUS Profiles Beveled															
9/16" Tegular	29	590	24 x 24 x 3/4" ▣	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
CIRRUS Profiles Classic Step															
15/16" Tegular	18	591	24 x 24 x 3/4" □	0.65	35	Class A	0.85	•	•	•	Std	•	High	•	30
	19	626	24 x 24 x 3/4" ▣	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
9/16" Tegular	31	591	24 x 24 x 3/4" □	0.65	35	Class A	0.85	•	•	•	Std	•	High	•	30
	32	585	24 x 24 x 3/4" ▣	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10

** Ceiling design copyrighted by AWI Licensing Co.

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

557, 591, 628 – Type III, Form 1, Pattern E I
585, 590, 626 – Type III, Form 1, Pattern E I K
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. Excludes items 585, 590, 626.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight: Square Feet/Carton

590, 591 – 1.06 lbs/SF; 48 SF/ctn
557, 585, 626, 628 – 1.17 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

628M, 557M, 590M, 591M, 626M, and 585M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



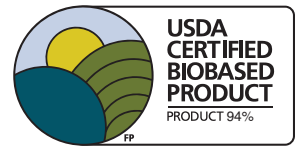
TechLineSM / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: cirrus)
BPCS-4016-813

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CIRRUS® Second Look®

Scored Tegular
medium texture



Cirrus Second Look III with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- Refined Cirrus texture
- Excellent score line painting for a clean visual
- Excellent sound absorption
- 94% Biobased content (see page 331)

TYPICAL APPLICATIONS

- Offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Conference rooms
- Lobbies/reception areas
- Department stores/retail

FACE VIEW



1. Cirrus Second Look I – Scoring creates nominal 12" x 12" squares
2. Cirrus Second Look II – Scoring creates nominal 24" x 24" squares
3. Cirrus Second Look III – Scoring creates nominal 6" x 48" linear planks

DETAIL (Other Suspension Systems compatible. Refer to listing on page 158.)



1. Cirrus Second Look III
2. Cirrus Second Look III with Suprafine 9/16" suspension system

COLOR



CIRRUS® Second Look®

Scored Tegular
medium texture

UP TO **63%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE For selected items only

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



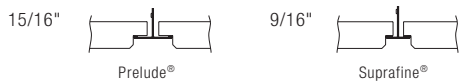
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty
				NRC	CAC										
CIRRUS Second Look I				UL Classified		BioBlock+		Below 11MJ/SF		Yes		No. of Years			
15/16" Beveled Tegular	14	512	24 x 48 x 3/4"	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
CIRRUS Second Look II				UL Classified		BioBlock+		Below 11MJ/SF		Yes		No. of Years			
9/16" Beveled Tegular	28	510	24 x 48 x 3/4"	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
15/16" Beveled Tegular	14	513	24 x 48 x 3/4"	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
CIRRUS Second Look III				UL Classified		BioBlock+		Below 11MJ/SF		Yes		No. of Years			
9/16" Beveled Tegular	28	511	24 x 48 x 3/4"	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10
15/16" Beveled Tegular	14	514	24 x 48 x 3/4"	0.65	35	Class A	0.85	•	Std	•	Std	•	High	•	10

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type III, Form 1, Pattern E I K
Fire Class A

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

Design Considerations
Do not mix Cirrus Second Look with standard Cirrus items in the same room.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
1.09 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

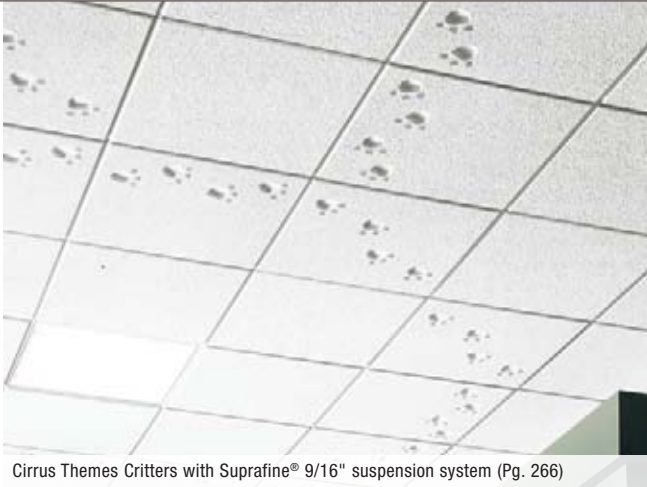
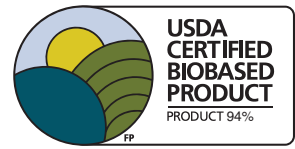
Metric Items Available
512M, 510M, 513M, 511M, 514M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



CIRRUS® Themes™

Critters™, Leaves™, Stars™, Things That Fly™
& Under the Sea™ – Tegular

medium texture



Cirrus Themes Critters with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- A variety of lighthearted panel designs on refined Cirrus texture; can be spot-painted
- Excellent sound absorption
- Coordinating plain panels available
- 94% Biobased content (see page 331)

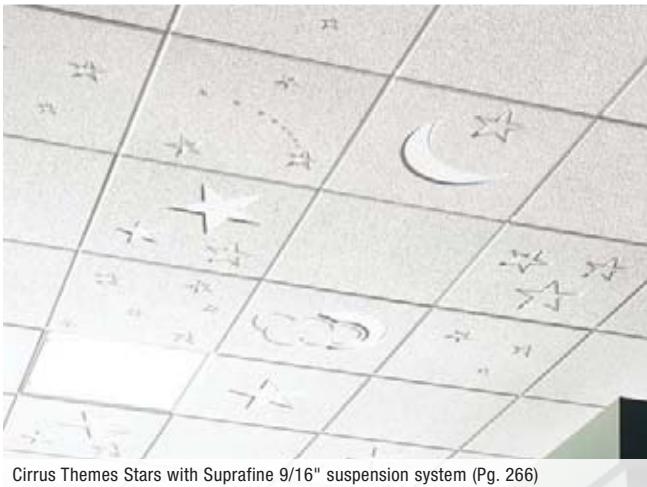
TYPICAL APPLICATIONS

- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Pediatric areas
- Lobbies/reception areas
- Specialty shops/stores
- Playful theme interiors

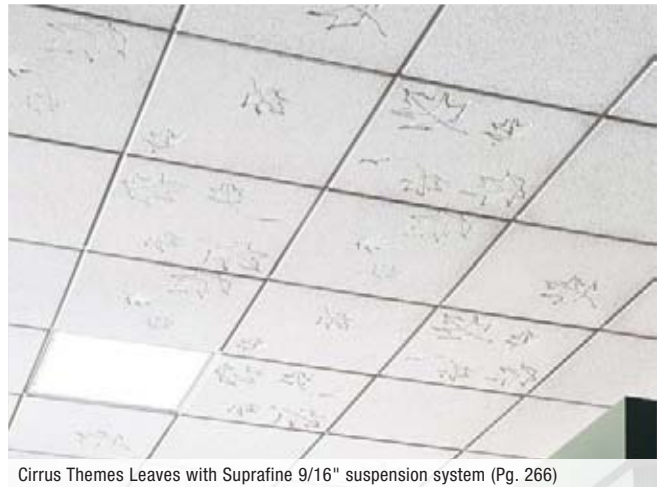
COLOR



White



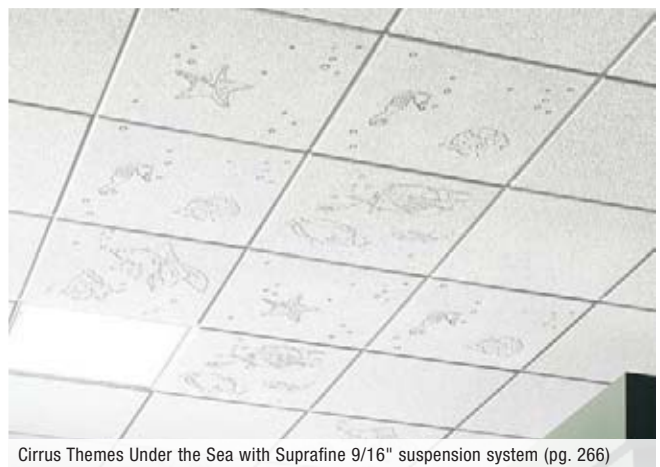
Cirrus Themes Stars with Suprafine 9/16" suspension system (Pg. 266)



Cirrus Themes Leaves with Suprafine 9/16" suspension system (Pg. 266)



Cirrus Themes Things That Fly with Suprafine 9/16" suspension system (Pg. 266)



Cirrus Themes Under the Sea with Suprafine 9/16" suspension system (pg. 266)

CIRRUS® Themes™

Critters™, Leaves™, Stars™, Things That Fly™
& Under the Sea™ – Tegular
medium texture

63% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

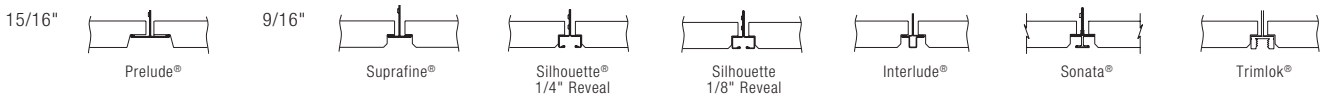
Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdws	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycled Program	Warranty
				NRC	CAC									
CIRRUS Themes				UL Classified		BioBlock+						Yes	No. of Years	
15/16" Angled Tegular	13	See Below	24 x 24 x 3/4" <input type="checkbox"/>	0.65	35	Class A	0.86	•	Std	•	Std	High	•	10
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	See Below	24 x 24 x 3/4" <input type="checkbox"/>	0.65	35	Class A	0.86	•	Std	•	Std	High	•	10

Cirrus Themes Critters	Cirrus Themes Leaves	Cirrus Themes Stars	Cirrus Themes Things That Fly	Cirrus Themes Under the Sea	Plain Panel
S500/S550 S501/S551 S502/S552 S503/S553 S510/S560 S512/S562	S600/S650 S601/S651 S602/S652 S603/S653 S604/S654 S605/S655	S400/S450 S401/S451 S410/S460 S411/S461 S412/S462 S413/S463 S414/S464 S420/S470 S421/S471	S700/S750 S701/S751 S702/S752 S703/S753 S704/S754 S705/S755 S706/S756 S707/S757 S708/S758	S800/S850 S801/S851 S802/S852 S803/S853 S804/S854 S805/S855	S299/S295

Must use Item S295 or S299 for Coordinating Plain Panel

Cirrus Themes Critters		Cirrus Themes Leaves		Cirrus Themes Stars		Cirrus Themes Things That Fly		Cirrus Themes Under The Sea	
15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular
<input type="checkbox"/> S550	<input type="checkbox"/> S500	<input type="checkbox"/> S650	<input type="checkbox"/> S600	<input type="checkbox"/> S450	<input type="checkbox"/> S400	<input type="checkbox"/> S750	<input type="checkbox"/> S700	<input type="checkbox"/> S850	<input type="checkbox"/> S800
<input type="checkbox"/> S551	<input type="checkbox"/> S501	<input type="checkbox"/> S651	<input type="checkbox"/> S601	<input type="checkbox"/> S451	<input type="checkbox"/> S401	<input type="checkbox"/> S751	<input type="checkbox"/> S701	<input type="checkbox"/> S851	<input type="checkbox"/> S801
<input type="checkbox"/> S552	<input type="checkbox"/> S502	<input type="checkbox"/> S652	<input type="checkbox"/> S602	<input type="checkbox"/> S460	<input type="checkbox"/> S410	<input type="checkbox"/> S752	<input type="checkbox"/> S702	<input type="checkbox"/> S852	<input type="checkbox"/> S802
<input type="checkbox"/> S553	<input type="checkbox"/> S503	<input type="checkbox"/> S653	<input type="checkbox"/> S603	<input type="checkbox"/> S461	<input type="checkbox"/> S411	<input type="checkbox"/> S753	<input type="checkbox"/> S703	<input type="checkbox"/> S853	<input type="checkbox"/> S803
<input type="checkbox"/> S560	<input type="checkbox"/> S510	<input type="checkbox"/> S654	<input type="checkbox"/> S604	<input type="checkbox"/> S462	<input type="checkbox"/> S412	<input type="checkbox"/> S754	<input type="checkbox"/> S704	<input type="checkbox"/> S854	<input type="checkbox"/> S804
<input type="checkbox"/> S562	<input type="checkbox"/> S512	<input type="checkbox"/> S655	<input type="checkbox"/> S605	<input type="checkbox"/> S463	<input type="checkbox"/> S413	<input type="checkbox"/> S755	<input type="checkbox"/> S705	<input type="checkbox"/> S855	<input type="checkbox"/> S805
<input type="checkbox"/> S295	<input type="checkbox"/> S299	<input type="checkbox"/> S295	<input type="checkbox"/> S299	<input type="checkbox"/> S464	<input type="checkbox"/> S414	<input type="checkbox"/> S756	<input type="checkbox"/> S706	<input type="checkbox"/> S295	<input type="checkbox"/> S299
				<input type="checkbox"/> S470	<input type="checkbox"/> S420	<input type="checkbox"/> S757	<input type="checkbox"/> S707		
				<input type="checkbox"/> S471	<input type="checkbox"/> S421	<input type="checkbox"/> S758	<input type="checkbox"/> S708		
				<input type="checkbox"/> S295	<input type="checkbox"/> S299	<input type="checkbox"/> S295	<input type="checkbox"/> S299		

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Type III, Form 1, Pattern E I K Z (scored multi-patterned finish)
S299, S295 – Type III, Form 1, Pattern E I
Fire Class A

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
All design panels – 1.38 lbs/SF;
8 SF/ctn
S295 – 1.09 lbs/SF; 48 SF/ctn
S299 – 1.17 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton



Clean Room™ FL/ Clean Room VL & VL

Square Lay-in & Tegular
smooth texture



Items 1715, 1716,
1720, 1721



Clean Room FL with Clean Room 15/16" suspension system (Pg. 247)



Clean Room VL with Clean Room 1-1/2" suspension system (Pg. 247)



VL with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Class 100) (excludes items 869, 879)
- Meets USDA/FSIS guidelines for use in food processing areas (excludes items 869, 871)
- Durable – Washable, Scrubbable, Soil-resistant
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

Clean Room FL, Clean Room VL

- Clean Rooms
- Kitchens/food preparation areas
- Laboratories
- Healthcare
 - Patient Rooms
 - Treatment Rooms
 - Semi-restricted surgical areas
 - Emergency rooms

VL (Perforated)

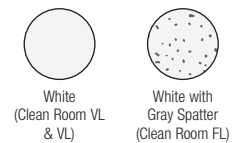
- Lavatories/restrooms
- Utility Rooms

DETAIL (Other Suspension Systems compatible. Refer to listing on page 162.)



1. Clean Room FL
2. Clean Room VL
3. VL
4. Clean Room FL with 15/16" suspension system
5. Clean Room VL with 1-1/2" suspension system

COLOR



Clean Room™ FL/ Clean Room VL & VL

Square Lay-in & Tegular
smooth texture

UP TO **77%** RECYCLED CONTENT

LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

Calculate LEED contribution at armstrong.com/greengenie





*LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE

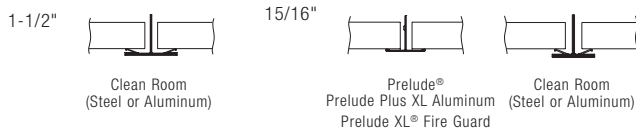
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycled Content*	Recycle Program	Warranty*	
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Scratch				Soil
Clean Room FL Field Panel**				UL Classified				BioBlock+	Humi-Guard+										
15/16" or 1-1/2" Square Lay-in	1, 6, 7	1715	24 x 24 x 3/4" □	0.55	35	Class A	0.79	•	•	•	•	•	•	•	•	•	High	-	30
	1, 6, 7	1716	24 x 48 x 3/4" □	0.55	35	Class A	0.79	•	•	•	•	•	•	•	•	•	High	-	30
Clean Room FL Border Panel**																			
15/16" or 1-1/2" Square Lay-in	1, 6, 7	1720	24 x 24 x 5/8" □	N/A	35	Class A	0.79	•	•	-	•	•	•	•	•	•	Std	-	30
	1, 6, 7	1721	24 x 48 x 5/8" □	N/A	35	Class A	0.79	•	•	-	•	•	•	•	•	•	Std	-	30
	1, 6, 7	Other Sizes	W: 24" / L: 24" - 48" 5/8" Thick	N/A	35	Class A	0.79	•	•	-	•	•	•	•	•	•	Std	-	30
Clean Room VL Unperforated**																			
15/16" or 1-1/2" Square Lay-in	1, 7	868	24 x 24 x 5/8" □	N/A	40	Fire Guard	0.80	•	•	•	•	•	•	•	•	•	Std	-	30
	1, 7	870	24 x 48 x 5/8" □	N/A	40	Fire Guard	0.80	•	•	•	•	•	•	•	•	•	Std	-	30
VL Perforated - Not for Clean Rooms																			
15/16" or 1-1/2" Square Lay-in	1	869	24 x 24 x 5/8" □	0.55	35	Fire Guard	0.78	•	•	•	-	•	•	•	•	•	Std	-	30
	1	871	24 x 48 x 5/8" □	0.55	35	Fire Guard	0.78	•	•	•	-	•	•	•	•	•	Std	-	30

Also see Optima® Health Zone™ and Ultima® Health Zone for use in Clean Rooms.

** Clean Room Class 5 (Class 100)

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

1715, 1716, 1720, 1721 – Soil-resistant polyester film
868, 870, 869, 871 – Vinyl-faced membrane

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification

1715, 1716, 1720, 1721 – Type IV, Form 2, Pattern G H
868, 870, – Type IV, Form 2, Pattern E
869, 871 – Type IV, Form 2, Pattern C E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

(Excludes FL Border Panels) Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

1715 – 1.02 lbs/SF; 48 SF/ctn
1716 – 1.02 lbs/SF; 64 SF/ctn
1720 – 1.04 lbs/SF; 48 SF/ctn
1721 – 1.17 lbs/SF; 64 SF/ctn
868, 869 – 1.10 lbs/SF; 48 SF/ctn
870, 871 – 1.11 lbs/SF; 64 SF/ctn

Note: For assistance on proper Clean Room installation, contact TechLine at 1 877 ARMSTRONG.

Minimum Order Quantity:

1 carton, excludes other sizes.

Metric Items Available

1715M, 1716M, 1720M, 1721M, 868M, 870M, 869M, 871M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



TechLine™ / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: clean room)
BPCS-3044-813

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All other trademarks used herein are the property of AWI Licensing Company and/or its affiliates © 2013 AWI Licensing Company
Printed in the United States of America



CORTEGA®/CORTEGA Second Look®

Square Lay-in & Tegular

medium texture



Cortega Angled Tegular with Prelude® 15/16" suspension system (Pg. 259)



Cortega Second Look II with Suprafine® 9/16" suspension system (Pg. 266)

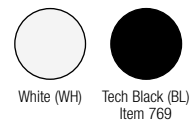
KEY SELECTION ATTRIBUTES

- Economical
- Non-directional visual reduces installation time and scrap (excludes Second Look items)
- Geometric Scored Visuals (Second Look items)

TYPICAL APPLICATIONS

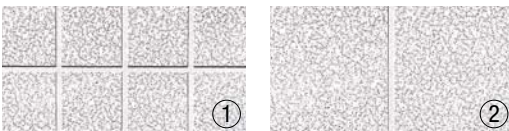
- Many types of commercial interiors
- Discount stores
- Utility Rooms

COLOR



Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

FACE VIEW



1. Cortega Second Look I – Scoring creates nominal 12" x 12" squares
2. Cortega Second Look II – Scoring creates nominal 24" x 24" squares

DETAIL



1. Cortega Square Lay-in
2. Cortega Beveled Tegular
3. Cortega Second Look
4. Cortega Lay-in with Prelude 15/16" suspension system
5. Cortega Beveled Tegular with Suprafine 9/16" suspension system

CORTEGA®/CORTEGA Second Look®

Square Lay-in & Tegular
medium texture

UP TO **41%** CORTEGA LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

UP TO **55%** CORTEGA 2nd LOOK RECYCLED CONTENT

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

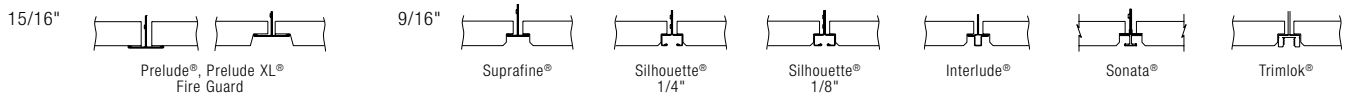
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycled Program	Warranty†		
				NRC	CAC												
CORTEGA Square Lay-in																	
	1	770	24 x 24 x 5/8"	<input type="checkbox"/>	UL Classified												
		770M	600 x 600 x 15mm		0.55	33	Class A	0.82	-	Std	•	Std	•	Std	•	1	
		824	24 x 24 x 5/8"		0.55	35	Fire Guard	0.82	-	Std	•	Std	-	Std	•	1	
		769 **	24 x 48 x 5/8"		<input type="checkbox"/>	0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1
		769M	600 x 1200 x 15mm														
		823	24 x 48 x 5/8"		0.55	35	Fire Guard	0.82	-	Std	•	Std	-	Std	•	1	
		747	24 x 48 x 5/8"		<input type="checkbox"/>	0.55	40	Class A	0.82	-	Std	•	Std	-	Std	•	1
		773	20 x 60 x 5/8"			0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1
773M	500 x 1500 x 15mm																
772	24 x 60 x 5/8"	<input type="checkbox"/>	0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1			
772M	600 x 1500 x 15mm																
Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" Thick		0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1			
CORTEGA Tegular																	
	12	704	24 x 24 x 5/8"	<input type="checkbox"/>	0.55	33	Class A	0.82	-	Std	•	Std	•	Std	•	1	
		704M	600 x 600 x 15mm		0.55	35	Fire Guard	0.82	-	Std	•	Std	-	Std	•	1	
		703	24 x 48 x 5/8"		0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1	
	29, 44, 48, 52, 56, 60	2195	24 x 24 x 5/8"	<input type="checkbox"/>	0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1	
		Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" Thick		0.55	35	Class A	0.82	-	Std	•	Std	•	Std	•	1	
CORTEGA Second Look I																	
	11	2765	24 x 48 x 3/4"	<input type="checkbox"/>	0.55	35	Class A	0.82	-	Std	•	Std	-	Std	•	1	
CORTEGA Second Look II																	
	11	2758	24 x 48 x 3/4"	<input type="checkbox"/>	0.55	40	Fire Guard	0.82	-	Std	•	Std	-	High	•	1	
		2767	24 x 48 x 3/4"	<input type="checkbox"/>	0.55	35	Class A	0.82	-	Std	•	Std	-	Std	•	1	
	27	2776	24 x 48 x 3/4"	<input type="checkbox"/>	0.55	30	Class A	0.82	-	Std	•	Std	-	Std	•	1	

** Add 2-letter color suffix to item number when specifying or ordering (e.g., 769 B L).

SUSPENSION SYSTEMS

NOTE: 9/16" Cortega Second Look items are installed using Suprafine suspension systems only. Item 2195-CAC 31 on 9/16" Silhouette or Trimlok



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)
Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C D

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title

24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. (Excludes 769BL)

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
2195, 704, 816, 703 – R Factor – 1.6 (BTU units);
R Factor – 0.28 (Watts units)
770, 772, 769, 773, 823, 824 – R Factor – 1.5 (BTU units);
R Factor – 0.26 (Watts units)

Application Information
Item 850 is unfinished fire protection board.

Weight; Square Feet/Carton
769 – 0.61 lbs/SF; 96 SF/ctn
704, 2195 – 0.63 lbs/SF; 64 SF/ctn
772, 773 – 0.63 lbs/SF; 100 SF/ctn
703 – 0.65 lbs/SF; 80 SF/ctn
770 – 0.69 lbs/SF; 64 SF/ctn
816 – 1.08 lbs/SF; 48 SF/ctn
823, 824 – 1.09 lbs/SF; 64 SF/ctn
850 – 1.11 lbs/SF; 64 SF/ctn
2765, 2767 – 0.73 lbs/SF; 80 SF/ctn
2758 – 1.26 lbs/SF; 64 SF/ctn
2776 – 0.70 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
770M, 824M, 769M, 773M, 772M, 2195M, 704M, 703M, 823M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



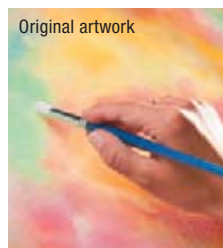
Create!™ ULTIMA®, ULTIMA Health Zone™, and OPTIMA®

Square Lay-in, Tegular & Vector®

fine texture



Ultima Create! Vector with Prelude® 15/16" suspension system (Pg. 259)



Original artwork
Ultima, Ultima Health Zone,
or Optima Ceiling Panels



Custom wall-to-wall
ceilings or floating clouds



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: Create!

KEY SELECTION ATTRIBUTES

- Artistic designs have broad appeal and complement unique interior design
- Mix and match designs with standard Ultima, Ultima Health Zone, and Optima
- Excellent sound absorption – NRC 0.70 – 0.90
- All the high performance benefits of Ultima or Optima fine-textured ceilings:
 - Water-repellent (Ultima Health Zone)

- Product is directional
- Custom samples available
- Can contribute to LEED® credits

TYPICAL APPLICATIONS

- Classrooms
- Libraries/media centers
- Lobbies/reception areas
- Retail
- Restaurant

CREATE!™ MAKES IT EASY TO CREATE UNIQUE, CUSTOM CEILING DESIGNS USING COLOR AND ARTWORK.

Original Artwork Guidelines:

- Artwork must be vector-based
- Acceptable file types:
 - Adobe® Illustrator® – .ai
 - Encapsulated PostScript – .eps
 - Scalable Vector Graphics – .svg
- Acceptable Color Mode: CMYK

Original Digital Image Requirements:

- Image must be 150 dpi at full print size
- Acceptable file types:
 - Joint Photographic Experts Group – .jpg
 - Tagged Image File Format – .tiff

Solid Color Requirements:

- Choose from 100 color options suggested on Armstrong Create! sample*
- Choose to match one of the RAL classic colors available on suspension systems and perimeter trims
- Custom colors are available

* The Ultima/Optima colors and the Health Zone colors appear slightly different due to scrim surface texture.

Adobe® Illustrator® is a registered trademark of Adobe Systems Incorporated.

Create!™ ULTIMA®, ULTIMA Health Zone™, and OPTIMA®

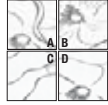
Square Lay-in, Tegular & Vector®
fine texture

THEMES – AVAILABLE ON ALL CREATE! PANELS

Blooms



Single Panel
Design 021

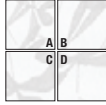


4-Panel Design
Design 022 (Add
A, B, C, or D for
individual panel
order)

Dragonflies



Single Panel
Design 051



4-Panel Design
Design 052 (Add
A, B, C, or D for
individual panel
order)

Stars



Single Panel
Design 041



Single Panel
Design 042



Single Panel
Design 043

Bubbles



Single Panel
Design 011



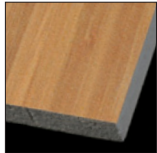
Single Panel
Design 012



Single Panel
Design 013

WOOD LOOKS – AVAILABLE ON ULTIMA HEALTH ZONE CREATE! SQUARE LAY-IN PANELS

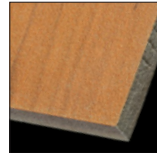
Due to printing limitations, shade may vary from actual product.



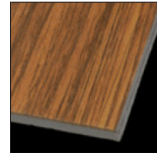
Bamboo (BA)



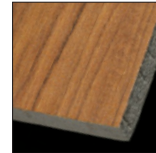
Barnwood (BW)



Light Cherry (LC)



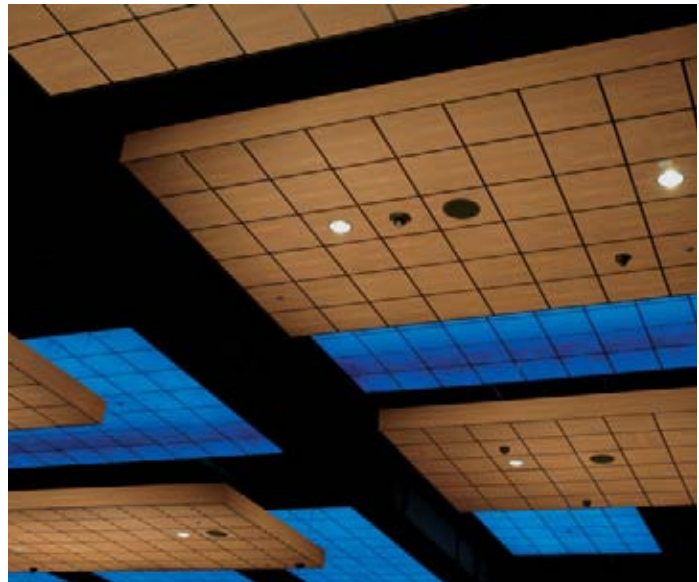
Oak (OK)



Walnut (WN)

COLOR REFERENCE CHART

Choose from the standard colors shown on the front of Create! 6" x 6" submittal samples. Keep in mind, sheen varies slightly depending on base panel selection (Ultima, Ultima Health Zone, Optima). Custom colors available.



Ultima Health Zone Create! in Walnut with coordinating suspension system and trim

COORDINATING SUSPENSION SYSTEM AND TRIM COLORS

Due to printing limitations, shade may vary from actual product.

Custom RAL Colors



RAL
Colors

See page 54 for a sampling of RAL colors.

Wood Looks



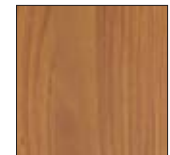
Barnwood (BW)



Light Cherry (LC)



Oak (OK)



Walnut (WN)



Create!™ – ULTIMA®, ULTIMA Health Zone™, and OPTIMA®

Square Lay-in, Tegular & Vector®
fine texture

UP TO **77%** RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

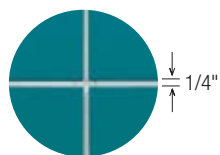
Edge Profile Suspension System	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Recycled Content*	Recycle Program	Warranty†
			NRC	CAC					Water Repel	Wash	Soil			
ULTIMA or OPTIMA Create! Square Lay-in			UL Classified	BioBlock+	Humi-Guard+	Water Repel	Wash	Soil	Yes	No. of Years				
for 15/16" Prelude XL	Z1910UC1	24 x 24 x 3/4" <input type="checkbox"/>	0.70 ^{††} •	35	Class A	•	•	•	–	•	•	High	•	30
	Z33520C1	24 x 24 x 3/4" <input type="checkbox"/>	0.90 ^{††} •	26	Class A	•	•	–	–	•	•	High	•	30
ULTIMA Create! Tegular														
for 9/16" Silhouette XL ONLY; 1/4" or 1/8" Reveal	Z1912UC1	24 x 24 x 3/4" <input type="checkbox"/>	0.70 ^{††} •	35	Class A	•	•	•	–	•	•	High	•	30
ULTIMA or OPTIMA Create! Vector														
for 15/16" Prelude XL (White only)	Z1920UC1	24 x 24 x 3/4" <input type="checkbox"/>	0.70 ^{††} •	33	Class A	•	•	•	–	•	•	High	•	30
	Z39010C1	24 x 24 x 7/8" <input type="checkbox"/>	0.80 ^{††} •	26	Class A	•	•	–	–	•	•	High	•	30
ULTIMA Health Zone Create! Square Lay-in														
for 15/16" Prelude XL	Z1935UC1 _ ♦♦	24 x 24 x 3/4" <input type="checkbox"/>	0.70 ^{††} •	35	Class A	•	•	•	•	•	•	High	•	30
ULTIMA Health Zone Create! Tegular														
for 9/16" Silhouette XL ONLY; 1/4" or 1/8" Reveal	Z1936UC1	24 x 24 x 3/4" <input type="checkbox"/>	0.70 ^{††} •	35	Class A	•	•	•	•	•	•	High	•	30

NOTE: Replacement panels may vary slightly in color due to material variations over time. Product could have slight color variation from run to run; adequate attic stock should be ordered.

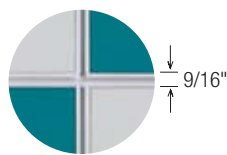
†† Based on image/color coverage, NRC may vary slightly.

♦♦ Add 2-letter color suffix to item when specifying or ordering standard Wood Looks items. (e.g., Z1935UC1 L C)

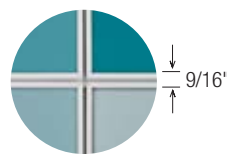
SUSPENSION SYSTEMS AND EDGE DETAILS



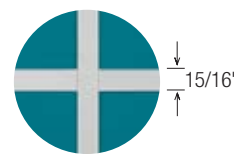
Vector Panel and Prelude® XL®
(White suspension required for Vector)



Tegular Panel and Silhouette® XL® 1/4" Reveal



Tegular Panel and Silhouette XL 1/8" Reveal



Lay-in Panel and Prelude® XL® or 360° Painted Grid

PHYSICAL DATA

Material

Ultima/Ultima Health Zone: Wet-formed mineral fiber
Optima: Fiberglass with DuraBrite® acoustically transparent membrane with CAC-backing

Surface Finish

Factory-applied latex paint with UV printing

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Ultima/Ultima Health Zone: Type III, Form 2, Pattern E
Optima: Type XII, Form 2, Pattern E
Fire Class A



Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

Ultima/Ultima Health Zone: BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

Optima: Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

VOC Emissions

Ultima/Ultima Health Zone: Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

Ultima/Ultima Health Zone:
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)
Optima:
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. 1-year limited warranty on color. Details at armstrong.com/warranty

Weight; Square Feet/Carton

Ultima/Ultima Health Zone: 1.05 lbs/SF; 16 SF/ctn
Optima: 0.55 lbs/SF; 16 SF/ctn

Minimum Order Quantity:

1 carton

MINERAL FIBER

DESIGNER™
Square Lay-in, Tegular
 coarse texture

UP TO **42%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Designer Lay-in with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Acoustical and economical

TYPICAL APPLICATIONS

- Utility rooms
- Discount stores

COLOR



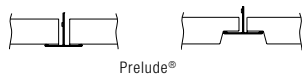
VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty*
				NRC	CAC									
DESIGNER				UL Classified										
15/16" Square Lay-in	1	735	24 x 24 x 5/8" <input type="checkbox"/>	0.55	30	Class A	0.81	-	Std	-	Std	Std	<input checked="" type="checkbox"/>	No. of Years 1
	1	734	24 x 48 x 5/8" <input type="checkbox"/>	0.55	30	Class A	0.81	-	Std	-	Std	Std	<input checked="" type="checkbox"/>	1
15/16" Angled Tegular	13	737	24 x 24 x 5/8" <input type="checkbox"/>	0.55	35	Class A	0.81	-	Std	-	Std	Std	<input checked="" type="checkbox"/>	1

SUSPENSION SYSTEMS

15/16"



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
Class A: Flame Spread Index 25 or less (UL labeled) per ASTM E1264

ASTM E1264 Classification
Type III, Form 2, Pattern F
Fire Class A

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

Warranty*
Details at armstrong.com/warranty

Weight; Square Feet/Carton
734 – 0.80 lbs/SF; 80 SF/ctn
735, 737 – 0.80 lbs/SF; 64 SF/ctn

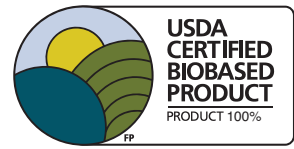
Minimum Order Quantity
1 carton

Metric Items Available
735M, 734M, 737M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



DUNE™

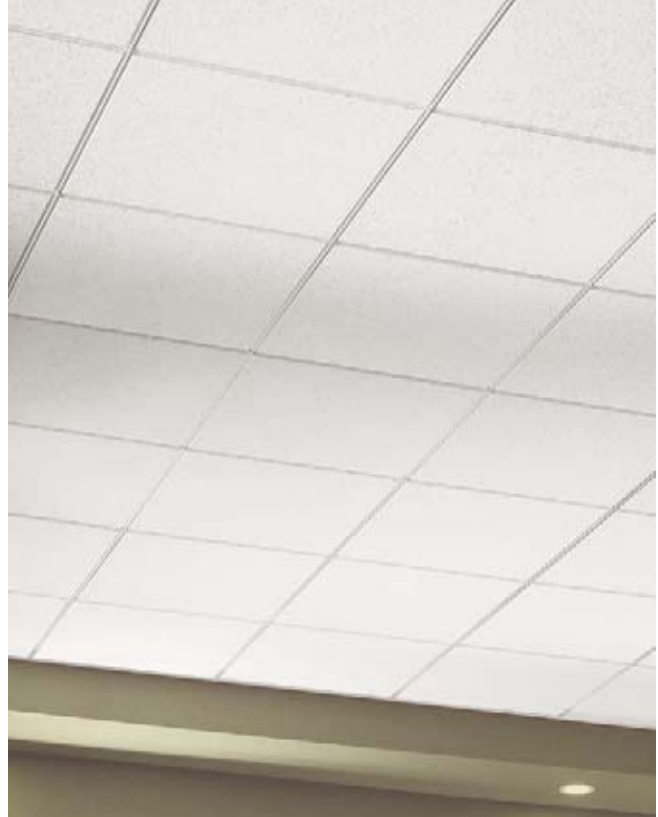
Square Lay-in & Tegular fine texture



Items 1772, 1773,
1774, 1775, 1776



Dune Square Lay-in with Prelude® XL 15/16" suspension system (Pg. 259)



Dune Tegular with Interlude® XL 9/16" suspension system (Pg. 254)

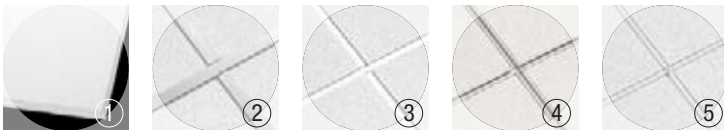
KEY SELECTION ATTRIBUTES

- Upgrade look at a modest price
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: Items 1773HRC, 1774HRC, 1775HRC, 1776HRC, 1777HRC (check armstrong.com/greengenie)
- 100% Biobased content (see page 331)
- Durable
Scratch-resistant
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag (excludes items 1796 and 1798), mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices
- Corridors
- Retail
- Hospitality
- Classrooms

DETAIL (Other Suspension Systems compatible. Refer to listing on page 168.)



1. Dune Tegular
2. Dune Square Lay-in with Prelude 15/16" suspension system
3. Dune Tegular with Suprafine® 9/16" suspension system
4. Dune Tegular with Silhouette® XL 9/16" suspension system 1/4" Reveal
5. Dune Tegular with Interlude XL 9/16" suspension system

COLOR



White

DUNE™

Square Lay-in & Tegular

fine texture

HRC items contain 15% or greater post-consumer recycled ceilings



UP TO **56%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

EPD AVAILABLE For select items only



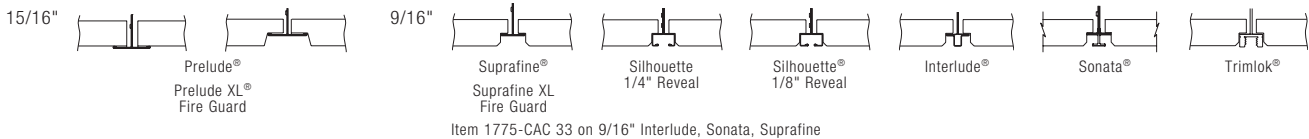
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Image	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*
					NRC	CAC										
DUNE Square Lay-in																
15/16" Square Lay-in					UL Classified	BioBlock+	Humi-Guard+	Scratch	Below 11MJ/SF	Yes	No. of Years					
1		1772	24 x 24 x 5/8"		0.50	30	Class A	0.83	•	•	•	•	•	Std	•	30
1		1850	24 x 24 x 5/8"		0.50	35	Fire Guard	0.83	•	•	•	•	-	Std	•	30
1		1773 1773HRC	24 x 48 x 5/8"		0.50	33	Class A	0.83	•	•	•	•	•	Std High	•	30
1		1851	24 x 48 x 5/8"		0.50	35	Fire Guard	0.83	•	•	•	•	-	Std	•	30
1		1796	20 x 60 x 5/8"		0.50	35	Class A	0.83	•	Std	•	•	•	High	•	1
1		1798	30 x 30 x 3/4"		0.50	35	Class A	0.83	•	Std	•	•	•	High	•	1
1		Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" or 3/4" Thick		0.50	35	Class A	0.83	•	Std	•	•	-	Std	•	1
DUNE Tegular																
15/16" Angled Tegular																
11		1774 1774HRC	24 x 24 x 5/8" 24 x 24 x 5/8"		0.50	35	Class A	0.83	•	•	•	•	•	Std High	•	30
11		1853	24 x 24 x 5/8"		0.50	35	Fire Guard	0.83	•	•	•	•	-	Std	•	30
11		1776 1776HRC	24 x 48 x 5/8" 24 x 48 x 5/8"		0.50	35	Class A	0.83	•	•	•	•	•	Std High	•	30
11		Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" Thick		0.50	35	Class A	0.83	•	Std	•	•	-	Std	•	1
9/16" Beveled Tegular																
29, 44, 48, 52, 56, 60		1775 1775HRC	24 x 24 x 5/8" 24 x 24 x 5/8"		0.50	35	Class A	0.83	•	•	•	•	•	Std High	•	30
29		1852	24 x 24 x 5/8"		0.50	35	Fire Guard	0.83	•	•	•	•	-	Std	•	30
29, 44, 48, 52, 56, 60		1777 1777HRC	24 x 48 x 5/8" 24 x 48 x 5/8"		0.50	35	Class A	0.83	•	•	•	•	•	Std High	•	30
29, 44, 48, 52, 56, 60		Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" Thick		0.50	35	Class A	0.83	•	Std	•	•	-	Std	•	1

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. Excluding items 1796, 1798, and large other sizes.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty (Excludes item 1746, 1798, and large other sizes)

Weight; Square Feet/Carton
1772 – 0.94 lbs/SF; 64 SF/ctn
1773 – 0.88 lbs/SF; 80 SF/ctn
1796 – 1.33 lbs/SF; 67 SF/ctn
1798 – 1.14 lbs/SF; 50 SF/ctn
1850 – 1.19 lbs/SF; 48 SF/ctn
1851 – 1.22 lbs/SF; 64 SF/ctn
1774, 1775 – 0.75 lbs/SF; 64 SF/ctn
1776, 1777 – 0.75 lbs/SF; 80 SF/ctn
1852, 1853 – 1.20 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1772M, 1850M, 1773M, 1851M, 1796M, 1798M, 1775M, 1777M
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

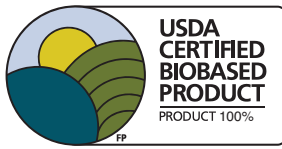




DUNE™ Second Look®

Scored Tegular

fine texture



UP TO **51%** RECYCLED CONTENT

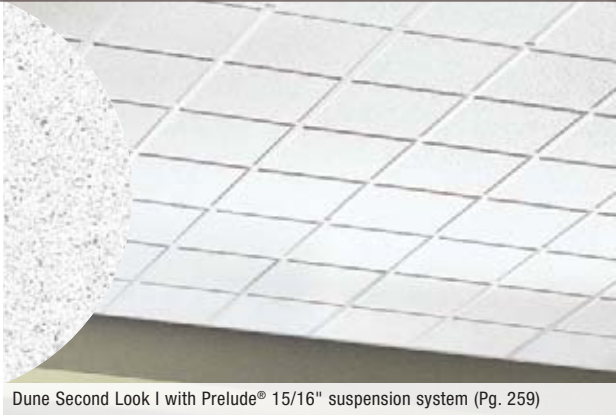
LEED®



Calculate LEED contribution at armstrong.com/greengenie
*LOCATION DEPENDENT



Items
2711
2712
2722



Dune Second Look I with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Geometric scored visuals
- Upgrade look at modest price
- 100% Biobased content (see page 331)
- Durable – Scratch-resistant
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Specialty shops/stores
- Corridors
- Offices

COLOR



White

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty*
				NRC	CAC									
DUNE Second Look I														
15/16" Angled Tegular	11	2711	24 x 48 x 3/4"	0.50	35	Class A	0.83	•	•	•	•	High	•	30
DUNE Second Look II														
15/16" Angled Tegular	11	2712	24 x 48 x 3/4"	0.50	35	Class A	0.83	•	•	•	•	High	•	30
9/16" Angled Tegular	27	2722	24 x 48 x 3/4"	0.50	35	Class A	0.83	•	•	•	•	High	•	30

FACE VIEW



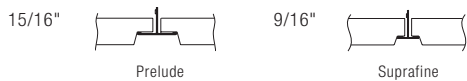
1. Second Look I – Scoring creates nominal 12" x 12" squares
2. Second Look II – Scoring creates nominal 24" x 24" squares

DETAIL



1. Dune Second Look
2. Dune Second Look with Suprafine® 9/16" suspension system

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern C E K
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.



Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value

R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition

of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Design Consideration

Do not mix Dune Second Look with standard Dune panels in the same room

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

1.00 lbs/SF; 80 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

2711M, 2722M, 2712M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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armstrong.com/commceilings
(search: dune)
BPCS-3223-813

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FINE FISSURED™

Tile
medium texture

56% RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Fine Fissured Tile with Prelude Concealed 15/16" suspension system (Pg. 255)

KEY SELECTION ATTRIBUTES

- 12" x 12" concealed tile option provides grid-hiding monolithic installation
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Areas with low ceiling height or limited plenum

COLOR



VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program**	Warranty†
				NRC	CAC									
FINE FISSURED Tile				UL Classified				BioBlock+	Humi-Guard+				Yes	No. of Years
Concealed	66	746	12 x 12 x 5/8" □	0.55	35	Class A	0.85	•	•	•	Std	High	•	30
Tongue & Groove	63	741	12 x 12 x 1/2" □	0.55	N/A	Class A	0.85	•	•	•	Std	High	•	30

NOTE: Splines not included in carton.

** Not recyclable when glue-up installation method is used.

SUSPENSION SYSTEMS

15/16" Concealed



Prelude® Concealed

Tongue & Groove



Staple up, Adhesive

PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

741 – 0.75 lbs/SF; 40 SF/ctn
746 – 0.90 lbs/SF; 40 SF/ctn

Minimum Order Quantity

1 carton



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armstrong.com/commceilings
(search: fine fissured)
BPCS-3822-813

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FINE FISSURED™

Square Lay-in
medium texture



Items 1713, 1714, 1728,
1729, 1830 & 1831



Fine Fissured with Prelude® 15/16" suspension system (Pg. 259)



KEY SELECTION ATTRIBUTES

- Excellent sound absorption – Products help comply with ANSI S12.60 Classroom Guidelines: Items 1713, 1714, 1810, 1811
- Economical
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag (excludes item 1738), mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Schools
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements (High Acoustics items only)
- Libraries/band rooms
- Corridors
- Theaters (Black items)

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



White (WH)



Cream (CR)



Haze (HA)



Camel (CM)



Platinum (PL)



Adobe (AD)

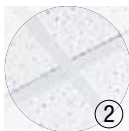


Tech Black (BL)

Items 1728 and 1729 are available in colors. All other items are available in White only.

Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAIL



1. Fine Fissured Square Lay-in
2. Fine Fissured Square Lay-in with Prelude 15/16" suspension system

FINE FISSURED™

Square Lay-in
medium texture

UP TO **55% RECYCLED CONTENT**

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials
















EPD AVAILABLE For select items only

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

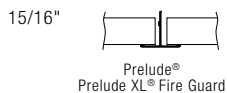
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew Bio-Block+	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy Below 11MJ/SF	Recycled Content+	Recycle Program	Warranty*	
				NRC	CAC											
FINE FISSURED Square Lay-in																
	1	1736	20 x 60 x 5/8"		0.55	35	Class A	0.85	•	•	•	Std	•	Std	•	30
	1	1728_ _ **	24 x 24 x 5/8"		0.55	33	Class A	0.85	•	•	•	Std	•	Std	•	30
	1	1831	24 x 24 x 5/8"		0.55	35	Fire Guard	0.85	•	•	•	Std	-	High	•	30
	1	1729_ _ **	24 x 48 x 5/8"		0.55	35	Class A	0.85	•	•	•	Std	•	Std	•	30
	1	1830	24 x 48 x 5/8"		0.55	35	Fire Guard	0.85	•	•	•	Std	-	High	•	30
	1	1737	24 x 60 x 5/8"		0.55	35	Class A	0.85	•	•	•	Std	•	Std	•	30
	1	1738	30 x 60 x 3/4"		0.55	35	Class A	0.85	•	Std	•	Std	•	Std	•	1
	1	Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" or 3/4" thick		0.55	35	Class A	0.85	•	Std	•	Std	•	Std	•	1
School Zone™ FINE FISSURED Square Lay-in																
	1	1713	24 x 24 x 3/4"		0.70	35	Class A	0.85	•	•	•	Std	-	High	•	30
	1	1810	24 x 24 x 3/4"		0.70	40	Fire Guard	0.85	•	•	•	Std	-	High	•	30
	1	1714	24 x 48 x 3/4"		0.70	40	Class A	0.85	•	•	•	Std	-	High	•	30
	1	1811	24 x 48 x 3/4"		0.70	40	Fire Guard	0.85	•	•	•	Std	-	High	•	30
	1	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" thick		0.70	40	Fire Guard	0.85	•	•	•	Std	-	Std	•	30

**Add 2-letter color suffix to item number when specifying or ordering (e.g., 1729 B L)

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification

Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. (Excluding Item 1738 and other sizes).

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. (Except 1728, 1729 in colors)

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content+

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

Square Lay-in Items
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty (Excludes item 1738 and other sizes)

Weight; Square Feet/Carton

1728 – 0.70 lbs/SF; 64 SF/ctn
1729 – 0.70 lbs/SF; 96 SF/ctn
1738 – 0.80 lbs/SF; 75 SF/ctn
1736, 1737 – 0.93 lbs/SF; 100 SF/ctn
465, 1830, 1831 – 1.05 lbs/SF; 64 SF/ctn
466 – 1.06 lbs/SF; 64 SF/ctn
1713, 1810 – 1.31 lbs/SF; 48 SF/ctn
1714, 1811 – 1.38 lbs/SF; 64 SF/ctn
741 – 0.75 lbs/SF; 40 SF/ctn
746 – 0.90 lbs/SF; 40 SF/ctn

Minimum Order Quantity

1 carton, excludes other sizes

Metric Items Available

465M, 466M, 1728M, 1729M, 1736M, 1737M, 1738M, 1810M, 1811M, 1830M, 1831M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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armstrong.com/commceilings
(search: fine fissured)
BPCS-3227-314

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FINE FISSURED™

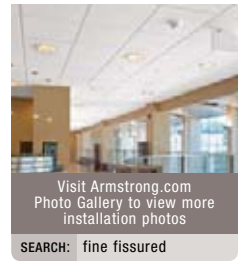
Tegular
medium texture



Items 1732, 1734, 1820,
1821 & 1833



Fine Fissured with Trimlok® 9/16" suspension system (Pg. 268)



KEY SELECTION ATTRIBUTES

- Excellent sound absorption – Products help comply with ANSI S12.60 Classroom Guidelines: Items 1820, 1821, 1824, 1717, 1719
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Schools
- Libraries/band rooms
- Conference rooms
- Corridors
- Discount stores
- Utility rooms

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



White (WH)



Cream (CR)



Haze (HA)



Camel (CM)



Platinum (PL)

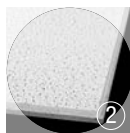
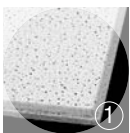


Adobe (AD)

Item 1732 is available in colors. All other items are available in White only. Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAIL

(Other Suspension Systems compatible. Refer to listing on page 176.)



1. Fine Fissured Beveled Tegular
2. Fine Fissured Angled Tegular
3. Fine Fissured Tegular with Suprafine® 9/16" suspension system

FINE FISSURED™

Tegular
medium texture

UP TO **55% RECYCLED CONTENT**

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE For select items only

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

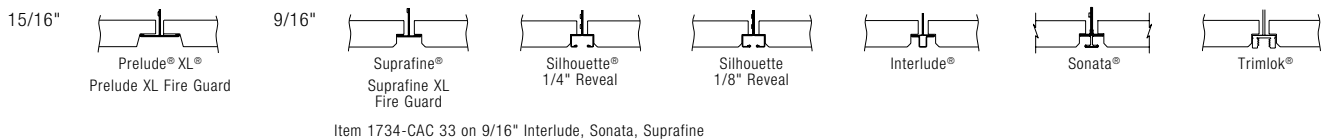
PERFORMANCE

Dots represent highest level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew Bio-Block+	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC										
FINE FISSURED Tegular															
15/16" Angled Tegular	12	1732_ _**	24 x 24 x 5/8"	□	0.55	35	Class A	0.85	•	•	Std	•	High	•	30
	12	1833	24 x 24 x 5/8"	□	0.55	35	Fire Guard	0.85	•	•	Std	-	Std	•	30
	12	1733	24 x 48 x 5/8"	□	0.55	35	Class A	0.85	•	•	Std	•	Std	•	30
	12	1834	24 x 48 x 5/8"	□	0.55	35	Fire Guard	0.85	•	•	Std	-	High	•	30
	12	Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" thick		0.55	35	Fire Guard	0.85	•	•	Std	-	Std	•	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1734	24 x 24 x 5/8"	□	0.55	35	Class A	0.85	•	•	Std	•	Std	•	30
	29, 44, 48, 52, 56, 60	1835	24 x 24 x 5/8"	□	0.55	35	Fire Guard	0.85	•	-	Std	-	Std	•	30
	29, 44, 48, 52, 56, 60	Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" thick		0.55	35	Fire Guard	0.85	•	•	Std	-	Std	•	30
School Zone™ FINE FISSURED Tegular															
15/16" Angled Tegular	13	1717	24 x 24 x 3/4"	□	0.70	40	Class A	0.85	•	•	Std	-	High	•	30
	13	1820	24 x 24 x 3/4"	□	0.70	35	Fire Guard	0.85	•	•	Std	-	High	•	30
	13	1824	24 x 48 x 3/4"	□	0.70	35	Fire Guard	0.85	•	•	Std	-	High	•	30
	13	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" thick		0.70	35	Fire Guard	0.85	•	•	Std	-	High	•	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1719	24 x 24 x 3/4"	□	0.70	40	Class A	0.85	•	•	Std	-	High	•	30
	29, 44, 48, 52, 56, 60	1821	24 x 24 x 3/4"	□	0.70	35	Fire Guard	0.85	•	•	Std	-	High	•	30
	29, 44, 48, 52, 56, 60	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" thick		0.70	35	Fire Guard	0.85	•	•	Std	-	High	•	30

**Add 2-letter color suffix to item number when specifying or ordering (e.g., 1732 C R)

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C E Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol (excludes item 1732 in colors and item 1835).

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
1820, 1821 – 1.31 lbs/SF; 48 SF/ctn
1824 – 1.20 lbs/SF; 64 SF/ctn
1732, 1734 – 0.70 lbs/SF; 64 SF/ctn
1733 – 0.70 lbs/SF; 80 SF/ctn
1833, 1835 – 1.05 lbs/SF; 48 SF/ctn
1834 – 1.05 lbs/SF; 64 SF/ctn
1717, 1719 – 1.25 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1732M, 1733M, 1734M, 1820M, 1821M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



FINE FISSURED™ High-NRC

Square Lay-in & Tegular

medium texture



Fine Fissured High-NRC with Suprafine® 9/16" suspension system (Pg. 266)

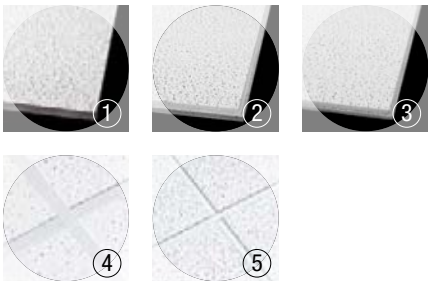
KEY SELECTION ATTRIBUTES

- Good solution in mixed (open plan/ closed plan) office design
- Excellent combination of acoustical performance; Articulation Class (170), NRC (0.75), and CAC (35)
- Non-directional visual reduces installation time and scrap

TYPICAL APPLICATIONS

- Open plan offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Classrooms
- Libraries/media centers
- Lobbies/reception areas
- Computer rooms

DETAIL (Other Suspension Systems compatible. Refer to listing on page 178.)



1. Fine Fissured High-NRC Square Lay-in
2. Fine Fissured High-NRC Angled Tegular
3. Fine Fissured High-NRC Beveled Tegular
4. Fine Fissured High-NRC Square Lay-in on Prelude® 15/16" suspension system
5. Fine Fissured High-NRC Beveled Tegular on Suprafine 9/16" suspension system

COLOR



White

FINE FISSURED™ High-NRC

Square Lay-in & Tegular
medium texture

UP TO **73%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials




Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

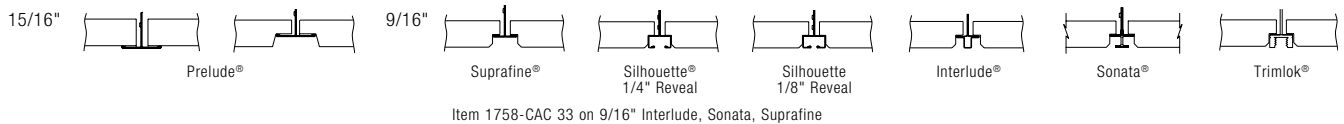
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics			Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC	AC									
FINE FISSURED High-NRC															
				UL Classified									Yes		No. of Years
15/16" Square Lay-in 	1	1754	24 x 24 x 7/8"	0.75	35	170	Class A	0.86	•	•	–	Std	High	•	30
	1	1755	24 x 48 x 7/8"	0.75	35	170	Class A	0.86	•	Std	–	Std	High	•	1
15/16" Angled Tegular 	13	1756	24 x 24 x 7/8"	0.75	35	170	Class A	0.86	•	•	–	Std	High	•	30
	13	1757	24 x 48 x 7/8"	0.75	35	170	Class A	0.86	•	Std	–	Std	High	•	1
9/16" Beveled Tegular 	29, 44, 48, 52, 56, 60	1758	24 x 24 x 7/8"	0.75	35	170	Class A	0.86	•	•	–	Std	High	•	30
	29, 44, 48, 52, 56, 60	1759	24 x 48 x 7/8"	0.75	35	170	Class A	0.86	•	Std	–	Std	High	•	1

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 1, Pattern C E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. (Excludes Items 1755, 1759, 1757).

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 2.3 (BTU units)
R Factor – 0.40 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

1754, 1756, 1758 – 1.08 lbs/SF; 40 SF/ctn
1755, 1757, 1759 – 1.08 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

1754M, 1755M, 1758M, 1759M 1756M, 1757M– Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.





FINE FISSURED™ Second Look®

Scored Tegular
medium texture



Item 1761

UP TO **55%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Fine Fissured Second Look II with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- Geometric scored visuals
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Department stores/retail
- Many types of commercial interiors

COLOR



White

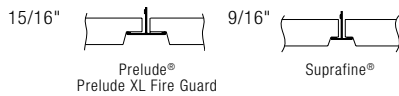
VISUAL SELECTION

PERFORMANCE

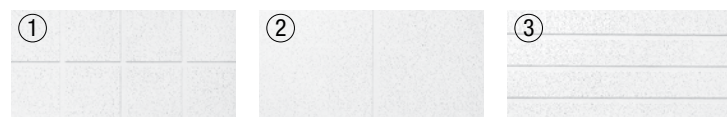
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Visual Selection Icon	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty*
					NRC	CAC									
FINE FISSURED Second Look															
15/16" Angled Tegular	11	1760	24 x 48 x 3/4"		0.55	35	Class A	0.84	•	•	•	Std	Std	•	30
	11	1761	24 x 48 x 3/4"		0.55	35	Class A	0.84	•	•	•	Std	Std	•	30
	11	1861	24 x 48 x 3/4"		0.55	35	Fire Guard	0.84	•	•	•	Std	High	•	30
	11	1762	24 x 48 x 3/4"		0.55	35	Class A	0.84	•	•	•	Std	Std	•	30
9/16" Angled Tegular	27	1765	24 x 48 x 3/4"		0.55	30	Class A	0.84	•	•	•	Std	Std	•	30
	27	1766	24 x 48 x 3/4"		0.55	30	Class A	0.84	•	•	•	Std	Std	•	30

SUSPENSION SYSTEMS



FACE VIEW (1. Second Look I; 2. Second Look II; 3. Second Look III)



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type III, Form 2, Pattern C E K
Fire Class A



Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Design Consideration
Do not mix Fine Fissured Second Look with standard Fine Fissured in the same room.

Weight; Square Feet/Carton
0.75 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1761M - Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine™ / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: fine fissured)
BPCS-3027-813

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FISSURED™

Square Lay-in & Tegular

medium texture

UP TO **41%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Fissured Angled Tegular with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Economical
- Directional fissured image

TYPICAL APPLICATIONS

- Utility rooms
- Discount stores

COLOR



White

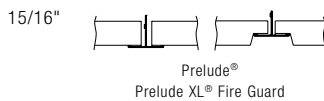
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Suspension Detail Dwg. Pgs. 273-277	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty
				NRC	CAC									
FISSURED Square Lay-in				UL Classified										
	1	756	24 x 24 x 5/8"	0.55	30	Class A	0.81	-	Std	•	Std	Std	•	1
	1	896	24 x 24 x 5/8"	0.55	35	Fire Guard	0.81	-	Std	•	Std	Std	•	1
	1	755	24 x 48 x 5/8"	0.55	30	Class A	0.81	-	Std	•	Std	Std	•	1
	1	895	24 x 48 x 5/8"	0.55	35	Fire Guard	0.81	-	Std	•	Std	Std	•	1
	1	Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" thick	0.55	35	Class A	0.81	-	Std	•	Std	Std	•	1
FISSURED Tegular														
	12	705	24 x 24 x 5/8"	0.55	30	Class A	0.81	-	Std	•	Std	Std	•	1
	12	815	24 x 24 x 5/8"	0.55	35	Fire Guard	0.81	-	Std	•	Std	Std	•	1
	12	Other Sizes	W: 12" - 30" / L: 18" - 72" 5/8" thick	0.55	35	Class A	0.81	-	Std	•	Std	Std	•	1

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C D
Fire Class A

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
755, 756, 895, 896 –
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)
705, 815 –
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

Weight: Square Feet/Carton
705 – 0.69 lbs/SF; 64 SF/ctn
755 – 0.66 lbs/SF; 96 SF/ctn
756 – 0.67 lbs/SF; 64 SF/ctn
815 – 1.08 lbs/SF; 48 SF/ctn
895, 896 – 1.09 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
756M, 896M, 755M, 895M, 705M
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



GEORGIAN™ & GEORGIAN HIGH WASHABILITY

Square Lay-in & Tegular
medium texture



Georgian Beveled Tegular with Prelude® 15/16" suspension system (Pg. 259)

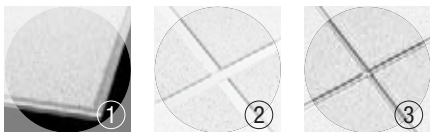
KEY SELECTION ATTRIBUTES

- Unique spatter-painted visual
- Excellent sound absorption (Items 795, 796)
- High Washability items available
 - Meets USDA/FSIS guidelines for use in food processing establishments
- Durable –
 - Washable
 - Scrubable
 - Impact-resistant
 - Scratch-resistant
- 30-Year Limited System Warranty against visible sag (excludes item 791 and other sizes), mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Schools/classrooms (Items 795, 796)
- Corridors/conference rooms
- Kitchen/food preparation (Items 793, 794)

DETAIL (Other Suspension Systems compatible. Refer to listing on page 182.)



1. Georgian Beveled Tegular
2. Georgian Beveled Tegular with Prelude 15/16" suspension system
3. Georgian Beveled Tegular with Silhouette® 9/16" suspension system 1/4" Reveal

COLOR



White

GEORGIAN™ & GEORGIAN HIGH WASHABILITY

Square Lay-in & Tegular
medium texture

UP TO **55%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



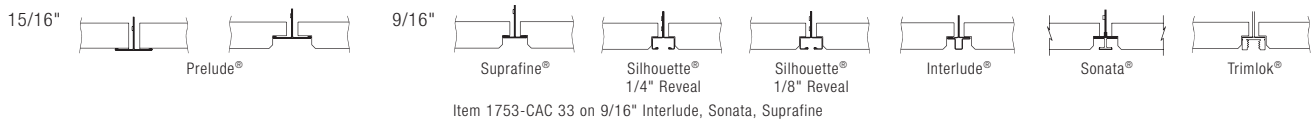
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Recycled Content*	Recycle Program	Warranty*
				NRC	CAC						Wash	Scrub	Impact	Scratch			
GEORGIAN																	
15/16" Square Lay-in	1	764	24 x 24 x 5/8"	0.55	33	Class A	0.86	•	•	•	•	•	•	•	Std	•	30
	1	763	24 x 48 x 5/8"	0.55	33	Class A	0.86	•	•	•	•	•	•	Std	•	30	
15/16" Beveled Tegular	15	1752	24 x 24 x 5/8"	0.55	35	Class A	0.86	•	•	•	•	•	•	Std	•	30	
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1753	24 x 24 x 5/8"	0.55	35	Class A	0.86	•	•	•	•	•	•	Std	•	30	
School Zone™ GEORGIAN																	
15/16" Square Lay-in	1	796	24 x 24 x 3/4"	0.65	35	Class A	0.86	•	•	•	•	•	•	High	•	30	
	1	795	24 x 48 x 3/4"	0.65	35	Class A	0.86	•	•	•	•	•	•	High	•	30	
	1	898	24 x 48 x 3/4"	0.55	35	Fire Guard	0.86	•	•	•	•	•	•	Std	•	30	
	1	791	30 x 60 x 3/4"	0.55	33	Class A	0.86	•	Std	•	•	•	•	Std	•	1	
	1	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" Thick	0.55	33	Class A	0.86	•	Std	•	•	•	•	Std	•	1	
GEORGIAN – High Washability, Unperforated																	
15/16" Square Lay-in	1	794	24 x 24 x 5/8"	N/A	33	Class A	0.88	•	•	•	•	•	•	Std	•	30	
	1	793	24 x 48 x 5/8"	N/A	33	Class A	0.88	•	•	•	•	•	•	Std	•	30	

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied vinyl latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Items 794, 793, 828 –
Type IX, Form 2, Pattern G
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. (Excludes Item 791 and other sizes.)

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
763, 793 – 0.67 lbs/SF; 96 SF/ctn
764, 794, 1752, 1753 – 0.72 lbs/SF; 64 SF/ctn
791 – 0.76 lbs/SF; 75 SF/ctn
898 – 1.13 lbs/SF; 64 SF/ctn
796 – 1.31 lbs/SF; 48 SF/ctn
795 – 1.38 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1753M, 764M, 763M, 791M, 1752M, 796M, 795M, 794M, 793M –
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



GRAPHIS® Finetex™

Wrapped Linear™, Cubic, NeoCubic™
fine texture

GRAPHIS® Rustex™

Cubic Beveled & Linear Beveled
coarse texture



Graphis Finetex Wrapped Linear with Suprafine® 9/16" suspension system (Pg. 266)



Graphis Rustex Cubic Beveled with Suprafine 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

Finetex

- Finely sculptured geometric patterns
- Single and multi-design options
- High light reflectance
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

Rustex

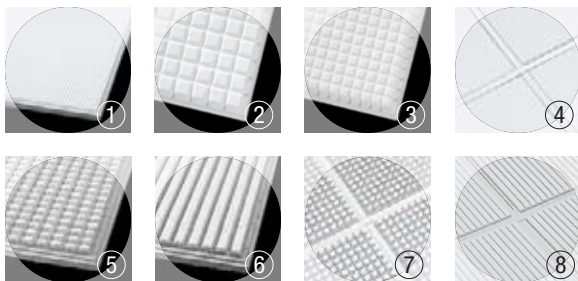
- Bold geometric designs
- Good sound absorption
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Department stores/retail
- Many types of commercial interiors
- Airports/bus/train stations

NOTE: Finetex not recommended for areas requiring acoustical performance

DETAIL (Other Suspension Systems compatible. Refer to listing on pages 184.)



1. Graphis Finetex Wrapped Linear
2. Graphis Finetex Cubic
3. Graphis Finetex NeoCubic
4. Graphis Wrapped Linear with Suprafine 9/16" suspension system
5. Graphis Rustex Cubic Beveled
6. Graphis Rustex Linear Beveled
7. Graphis Rustex Cubic Beveled with Suprafine 9/16" suspension system
8. Graphis Rustex Linear Beveled with Suprafine 9/16" suspension system

COLOR



White

GRAPHIS® Finetex™ & Rustex™

Wrapped Linear™,
Cubic, NeoCubic™
fine texture

Cubic Beveled
Linear Beveled
coarse texture

UP TO **72%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

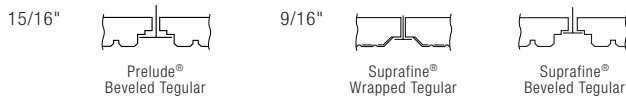
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty†	
				NRC	CAC										
GRAPHIS Finetex				UL Classified		BioBlock+						Yes	No. of Years		
Wrapped Linear															
9/16" Wrapped Tegular	34	8005	24 x 24 x 3/4"	N/A	35	Class A	0.90 ●	–	–	●	Std	Std	●	30	
Cubic	36	8006	24 x 24 x 3/4"	N/A	35	Class A	0.90 ●	–	–	●	Std	Std	●	30	
NeoCubic	35	8007	24 x 24 x 3/4"	N/A	35	Class A	0.90 ●	–	–	●	Std	Std	●	30	
GRAPHIS Rustex															
Cubic Beveled															
15/16" Beveled Tegular	20	2600	24 x 24 x 3/4"	0.55	30	Class A	0.75	●	–	–	Std	High	●	30	
Linear Beveled	20	2602	24 x 24 x 3/4"	0.55	30	Class A	0.75	●	–	–	Std	High	●	30	
Cubic Beveled															
9/16" Beveled Tegular	33	2600	24 x 24 x 3/4"	0.55	30	Class A	0.75	●	–	–	Std	High	●	30	
Linear Beveled	33	2602	24 x 24 x 3/4"	0.55	30	Class A	0.75	●	–	–	Std	High	●	30	

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern J Z
Fire Class A

Anti Mold/Mildew & Bacteria (Rustex only)

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions (Finetex only)

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

0.90 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

2600M, 2602M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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armstrong.com/commceilings
(search: graphis)
BPCS-4610-813

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KITCHEN ZONE™

Square Lay-in
smooth texture



Kitchen Zone 24" x 24" panels

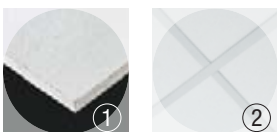
KEY SELECTION ATTRIBUTES

- A better option to vinyl-covered gypsum:
 - Lower installed cost
 - Lightweight panels with 50% more pieces per carton
 - Easier to cut with less dust
 - Recyclable through Armstrong Recycling Program
- Brighter visual with 20% more light reflectance than vinyl-covered gypsum
- Durable – Water-repellent, Washable, Scratch-resistant, Soil-resistant
- Smooth surface meets USDA/FSIS guidelines for use in food processing areas
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth (item 673)

TYPICAL APPLICATIONS

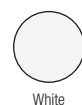
- Kitchen/food preparation areas
- Laboratories
- Cafeterias
- Lavatories/restrooms

DETAIL



1. Kitchen Zone Lay-in
2. Kitchen Zone Lay-in with Prelude 15/16" suspension system

COLOR



White

KITCHEN ZONE™

Square Lay-in
smooth texture

UP TO **51%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie


*LOCATION DEPENDENT



VISUAL SELECTION

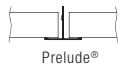
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Recycled Content	Recycle Program	Warranty*	
				NRC	CAC						Water Repel	Wash	Scratch	Soil				
KITCHEN ZONE																		
15/16" Square Lay-in	1	673	24 x 24 x 5/8"	□	-	33	Class A	0.89	•	•	•	•	•	•	•	Std	•	30
	1	672	24 x 48 x 5/8"	□	-	33	Class A	0.89	•	-	•	•	•	•	•	Std	•	1

SUSPENSION SYSTEMS

15/16"



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied vinyl latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type IX, Form 2, Pattern G
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications (item 673)

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Application Consideration

Not designed for use in close proximity to commercial grease ducts.

Insulation Value

R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty¹

When installed with Armstrong Suspension System (item 673). Details at armstrong.com/warranty

Cleaning Recommendations

To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:

- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton

672 – 0.82 lbs/SF; 96 SF/ctn
673 – 0.82 lbs/SF; 64 SF/ctn

Minimum Order Quantity

1 carton

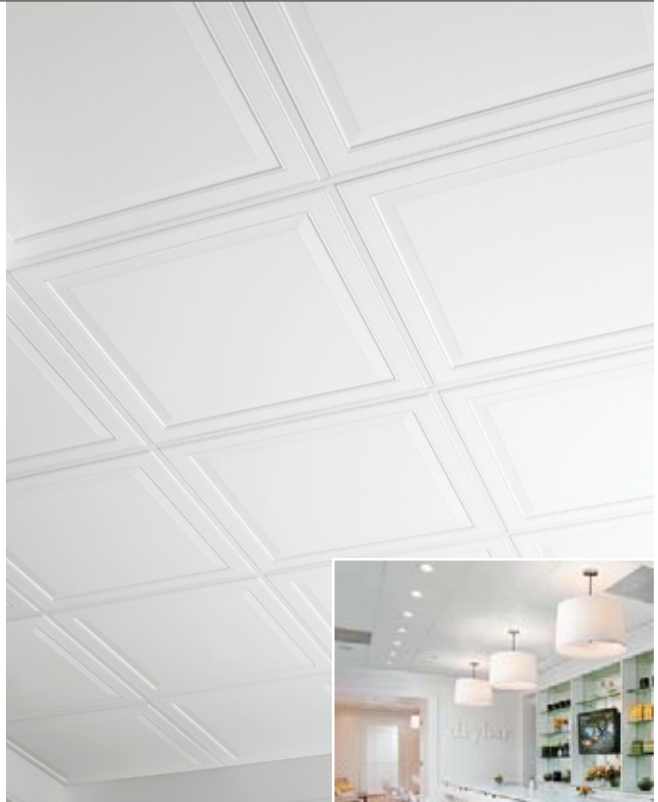


LEDGES®

Tegular
smooth texture



Ledges I with Prelude® 15/16" suspension system (Pg. 259)



Ledges II with Suprafine® 9/16" suspension system (Pg. 266)



KEY SELECTION ATTRIBUTES

- Dimensional, sculptured visual
- Affordable and practical alternative to embossed plaster panels
- Non-directional visual reduces installation time and scrap

TYPICAL APPLICATIONS

- Department stores/retail
- Many types of commercial interiors

NOTE: Not recommended for areas requiring acoustical performance

FACE VIEW



Ledges I



Ledges II

DETAIL



1. Ledges I Flush Tegular
2. Ledges II Flush Tegular
3. Ledges I with Prelude 15/16" suspension system
4. Ledges II with Suprafine 9/16" suspension system

COLOR



White

LEDGES®

Tegular
smooth texture

UP TO **43%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty*
				NRC	CAC									
LEDGES I					UL Classified		BioBlock+	Humi-Guard+					Yes	No. of Years
15/16" Flush Tegular 	3	8011	24 x 24 x 3/4"	N/A	35	Class A	0.80	•	Std	•	Std	Std	•	30
LEDGES II														
9/16" Flush Tegular 	25	8013	24 x 24 x 3/4"	N/A	33	Class A	0.80	•	Std	•	Std	Std	•	30

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern J Z
Fire Class A

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value

R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

0.90 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton



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armstrong.com/commceilings
(search: ledges)
BPCS-3544-813

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MINERAL FIBER

NEW

LYRA™

Square Lay-in, Tegular smooth texture

10-YEAR
Availability



Lyra Square Tegular with Suprafine® 9/16" suspension system



KEY SELECTION ATTRIBUTES

- Smooth drywall-like ceiling visual
- 17 standard panel sizes
- High acoustics (NRC 0.95)
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Sag-resistant panels
- Product can be recycled through the Armstrong Recycling Program
- Compatible with the TechZone™ Ceiling Systems
- Coordinates with Blizzard White suspension system and Axiom® trim
- Specials capability for non-standard sizes
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

DETAIL (Other Suspension Systems compatible. Refer to listing on reverse side of this data page.)



1. Lyra Square Lay-in
2. Lyra Square Tegular
3. Lyra Tegular with Suprafine 9/16" suspension system and Blizzard White finish
4. Lyra Tegular with Silhouette® XL® 9/16" suspension system with 1/4" or 1/8" reveal and Blizzard White finish
5. Lyra Tegular with Interlude® XL suspension system

COLOR





Square Lay-in, Tegular
smooth texture

71% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 271-275 armstrong.com/catdwgs	Item No.	Dimensions	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*		
				NRC	CAC						AC	Wash	Impact	Scratch					Soil	
LYRA Square Lay-in				UL Classified																
	1	8372	24 x 24 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
	1	8373	24 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
	1	8370	48 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
LYRA Square Tegular				UL Classified																
	15	8360	24 x 24 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8352	24 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8355	48 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
	15	8377	12 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8379	12 x 96 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8361	24 x 24 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8357	24 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8365	24 x 60 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8381	24 x 72 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8382	24 x 96 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8359	30 x 30 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8385	30 x 60 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
		8376	36 x 36 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30	
	8356	48 x 48 x 1"	0.95	NA	190	Class A	0.88	•	•	–	•	•	•	•	•	High	•	30		

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Fiberglass with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

High Recycled Content*
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
R Factor – 4.4 (BTU units)
R Factor – 0.76 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight: Square Feet/Carton
8372, 8373 – 0.44 lbs/SF; 96 SF/ctn
8370 – 0.44 lbs/SF; 128 SF/ctn
8360, 8352 – 0.46 lbs/SF; 96 SF/ctn
8355 – 0.46 lbs/SF; 128 SF/ctn
8377, 8379 – 0.50 lbs/SF; 48 SF/ctn
8361, 8357 – 0.46 lbs/SF; 96 SF/ctn
8365 – 0.50 lbs/SF; 100 SF/ctn
8381 – 0.50 lbs/SF; 72 SF/ctn
8382 – 0.50 lbs/SF; 96 SF/ctn
8359, 8376 – 0.46 lbs/SF; 75 SF/ctn
8385 – 0.46 lbs/SF; 100 SF/ctn
8356 – 0.46 lbs/SF; 128 SF/ctn

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armstrong.com/commcceilings
(search: lyra)
BPCS-4796-514

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186B

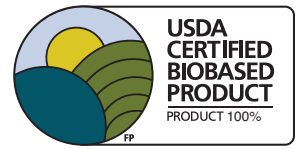
FIBERGLASS



MESA™ /MESA Second Look

Square Lay-in & Tegular

fine texture



Mesa with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- Fine-textured visual
- Excellent sound blocking – items 686, 687
- 100% Biobased content (see page 331)
- Non-directional visual reduces installation time and scrap (excludes Second Look items)
- Smaller size panels available (1 carton min. order). Info: armstrong.com/specials
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices/conference rooms
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements (excludes items 680 and 683)
- Schools/classrooms
- Corridors
- Lobbies/reception areas
- Computer rooms



Visit Armstrong.com Photo Gallery to view more installation photos

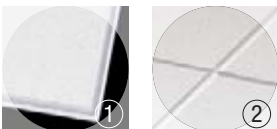
SEARCH: mesa

FACE VIEW



1. Mesa Second Look II – Scoring
Created nominal 24 x 24" squares

DETAIL (Other Suspension Systems compatible. Refer to listing on page 188.)



1. Mesa
2. Mesa with Suprafine 9/16" suspension system

COLOR



MESA™ /MESA Second Look® II

Square Lay-in & Tegular
fine texture

UP TO **77%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE





Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

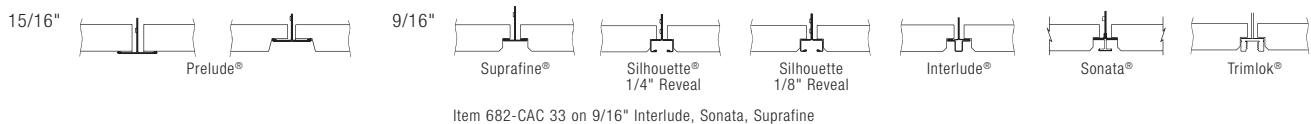
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	PERFORMANCE											
				Acoustics	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*	
MESA				UL Classified			BioBlock+	Humi-Guard+		Scratch	Below 11MJ/SF		Yes	No. of Years	
15/16" Square Lay-in	1	680	24 x 24 x 3/4"	0.60	33	Class A	0.85	•	•	•	•	•	High	•	30
	1	683	24 x 48 x 3/4"	0.60	33	Class A	0.85	•	•	•	•	•	High	•	30
	1	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" Thick	0.60	33	Class A	0.85	•	•	•	•	•	High	•	30
15/16" Angled Tegular	13	681	24 x 24 x 3/4"	0.60	35	Class A	0.85	•	•	•	•	•	High	•	30
	13	686**	24 x 24 x 3/4"	0.60	40	Class A	0.85	•	•	•	•	•	High	•	30
	13	684	24 x 48 x 3/4"	0.60	35	Class A	0.85	•	•	•	•	•	Std	•	30
	13	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" Thick	0.60	35	Class A	0.85	•	•	•	•	•	Std	•	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	682	24 x 24 x 3/4"	0.60	35	Class A	0.85	•	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	687**	24 x 24 x 3/4"	0.60	40	Class A	0.85	•	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	685	24 x 48 x 3/4"	0.60	35	Class A	0.85	•	•	•	•	•	Std	•	30
	29, 44, 48, 52, 56, 60	Other Sizes	W: 12" - 30" / L: 18" - 72" 3/4" Thick	0.60	35	Class A	0.85	•	•	•	•	•	Std	•	30
MESA Second Look II															
15/16" Angled Tegular	11	NEW 688	24 x 48 x 3/4"	0.60	35	Class A	0.85	•	•	•	•	•	High	•	30
															

** High-CAC items not available in other sizes.

SUSPENSION SYSTEMS



Item 682-CAC 33 on 9/16" Interlude, Sonata, Suprafine

PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth

of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Design Consideration

Do not mix Mesa Second Look with Standard Mesa in the same room.

Weight; Square Feet/Carton

680, 681, 682 – 1.02 lbs/SF; 48 SF/ctn
683, 684, 685 – 1.02 lbs/SF; 64 SF/ctn
686, 687 – 1.40 lbs/SF; 48 SF/ctn
688 – 1.02 lbs/SF; 64 SF/ctn

Minimum Order Quantity

1 carton, excludes other sizes

Metric Items Available

680M, 683M, 682M, 681M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



TechLineSM / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: mesa)
BPCS-3642-1213

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METAPHORS®

Crown, Cove, Convex, Bead & Linear
coffers and infill panels



Metaphors Cove Coffers with Ultima Lay-in infill panels

KEY SELECTION ATTRIBUTES

- Over 700 standard Metaphors combinations
- Five different coffer designs in four standard colors
- Infill panels available in Infusions®, MetalWorks™, MetalWorks Tin, WoodWorks®, and Ultima® visuals
- Enhance acoustics with MetalWorks perforated or Ultima infill panels (NRC 0.70-0.90)
- Custom options:
 - Suspension systems available in coordinating custom colors
 - Coffers available in coordinating custom colors
 - For details on custom infill panels and/or coffer colors, contact the Architectural Specialties project management team at 1 877 ARMSTRONG, select prompts 1-1-4

TYPICAL APPLICATIONS

- Retail
- Hospitality
- Assisted Living



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: metaphors

COLOR SELECTION – COFFERS

Due to printing limitations, shade may vary from actual product.

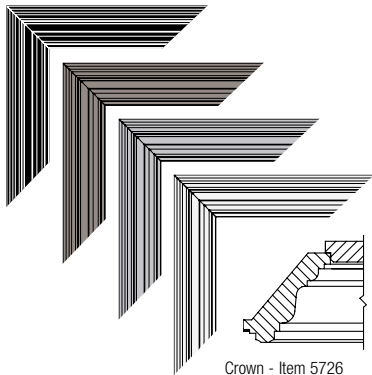


Sherwin-Williams colors available on coffers and suspension systems. Contact Architectural Specialties project management team at 1-877-ARMSTRONG, select prompts 1-1-4.

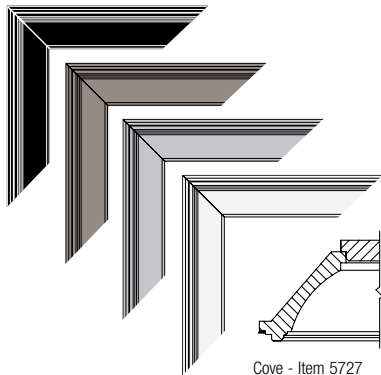
METAPHORS®

Crown, Cove, Convex, Bead & Linear
coffers and infill panels

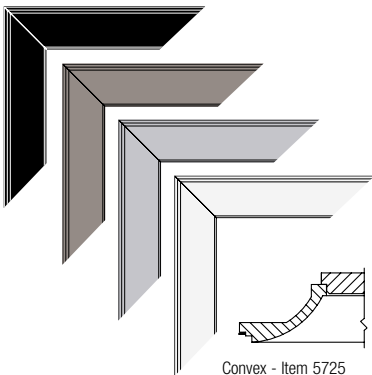
METAPHORS COFFERS SELECTION



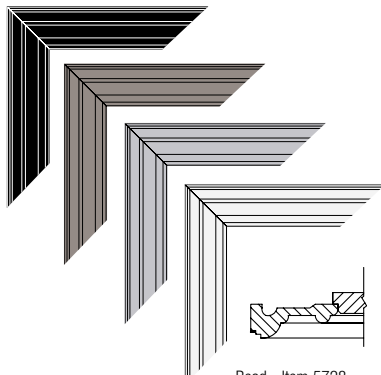
Crown - Item 5726



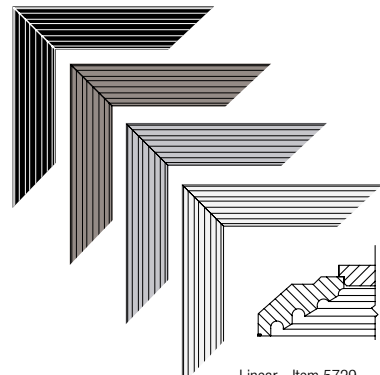
Cove - Item 5727



Convex - Item 5725



Bead - Item 5728



Linear - Item 5729

METAPHORS COFFERS STYLES



Metaphors Linear Coffer with Ultima Lay-in Infill Panels



Metaphors Crown with Ultima®
18" x 18" infill panel, Suprafine®
9/16" suspension system (Pg. 264)



Metaphors Cove with Ultima
18" x 18" infill panel, Suprafine
9/16" suspension system (Pg. 264)



Metaphors Convex with Ultima
18" x 18" infill panel, Suprafine
9/16" suspension system (Pg. 264)



Metaphors Bead with Ultima
18" x 18" infill panel, Suprafine
9/16" suspension system (Pg. 264)



Metaphors Linear with Ultima
18" x 18" infill panel, Suprafine
9/16" suspension system (Pg. 264)

METAPHORS®

Crown, Cove, Convex, Bead & Linear coffers and infill panels

NOTE: For details about premium and custom infill panel patterns, perforations, and finishes, contact the Architectural Specialties project management team at 1 877 ARMSTRONG, select prompts 1-1-4.

METAPHORS INFILL PANEL SELECTION Due to printing limitations, shade may vary from actual product.

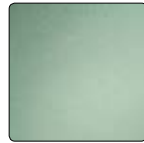
Infusions®



Clear Arbor (TCA)



Blue Arbor (TBA)



Refined Kiwi (TRK)



Refined Reef (TRR)



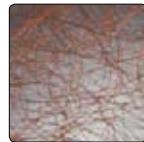
Refined Lagoon (TRL)



Refined Plum (TRP)



Refined Tangerine (TRT)



Spun Copper (TSC)

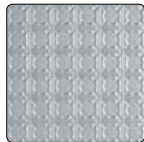


Linen Gold (TLG)

MetalWorks™ Tin



Item 6613 in
White (TWH)



Item 6613 in
Bare Steel (TNA)



Item 6613 in
Lacquered Steel (TLS)



Item 6614 in
White (TWH)



Item 6614 in
Bare Steel (TNA)



Item 6614 in
Lacquered Steel (TLS)



Item 6615 in
White (TWH)



Item 6615 in
Bare Steel (TNA)



Item 6615 in
Lacquered Steel (TLS)



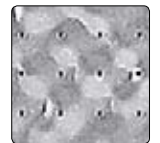
Item 6616 in
White (TWH)



Item 6616 in
Bare Steel (TNA)



Item 6616 in
Lacquered Steel (TLS)



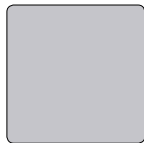
Extra Microperforated*

* Available for all Tin items and finishes (Actual 1:1 scale shown)

MetalWorks™



White (WH)



Silver Grey (SG)



Gun Metal Grey (MY)



Black (BL)



Microperforated*

* Available for all MetalWorks finishes (Actual 1:1 scale shown)

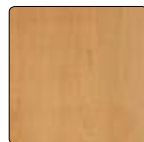
WoodWorks®



Bamboo Patina (BAP)



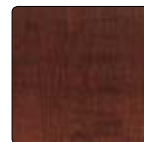
Bamboo Native (BAN)*



Natural Variations™
Maple (NMP)



Natural Variations
Light Cherry (NLC)



Natural Variations
Dark Cherry (NDC)

* Bamboo Native is a premium veneer option managed through Architectural Specialties due to the potential for significant color variation panel to panel. Minimum order quantity and extended lead time may apply.

Ultima®



White

METAPHORS®

Crown, Cove, Convex, Bead & Linear
coffers and infill panels

40% COFFERS **92% INFILL PANELS** **RECYCLED CONTENT**

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/ catdwgs	Item No.	Description	Dimensions (Inches)	Fire Rating	Recycled Content*	Recycle Program	Warranty*
METAPHORS Coffers								
9/16" or 15/16"	78, 83	5726 _ **	Crown Coffer	24 x 24 x 3"	Class A	Std	–	1
9/16" or 15/16"	79, 84	5727 _ **	Cove Coffer	24 x 24 x 3"	Class A	Std	–	1
9/16" or 15/16"	80, 85	5725 _ **	Convex Coffer	24 x 24 x 1.94"	Class A	Std	–	1
9/16" or 15/16"	82, 87	5728 _ **	Bead Coffer	24 x 24 x 1.125"	Class A	Std	–	1
9/16" or 15/16"	81, 86	5729 _ **	Linear Coffer	24 x 24 x 2"	Class A	Std	–	1

** Add 2-letter color suffix to item number when specifying or ordering (e.g., 5726 S G)

Edge Profile	Item No.**	Description	Dimensions (Inches)	Acoustics		Fire Rating	Recycle Content*	Recycle Program	Warranty*
				NRC	CAC				
METAPHORS Infill Panels									
Square Lay-in	6541 _ _ **	Infusions® Infill Panel	18 x 18 x 0.125"	–	–	Class A	Std	–	1
Square Lay-in	6613 _ _ _ ** 6614 _ _ _ ** 6615 _ _ _ ** 6616 _ _ _ **	MetalWorks™ Tin Infill Panel Unperforated (B1) MetalWorks Tin Infill Panel Extra Microperforated (B3)	18 x 18 x 0.010"	0.25 0.85†	–	Class A	Std	–	1
Square Tegular	6448M1 _ _ ** 6448M2 _ _ **	MetalWorks Infill Panel Unperforated (M1) MetalWorks Infill Panel Microperforated (M2)	18 x 18 x 0.021"	0.65 0.90†	36 38†	Class A	Std	–	1
Square Tegular	6447W1 _ _ _ **	WoodWorks® Infill Panel	18 x 18 x 0.75"	–	38†	Class A	High	–	1
Beveled Tegular	1918	Ultima® Infill Panel	18 x 18 x 0.75"	0.70	35	Class A	High	•	30

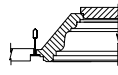
** Add 2-, 3-, or 5-letter color suffix item number when specifying or ordering (e.g., 6541 I R K).
For perforated items, include the 2-digit perforation suffix and 3-letter color suffix (e.g., 6448M1 S G, 6613B3 I W H, 6447W1 N M P).

† With optional fiberglass infill (#8200100)

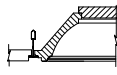
†† With optional field cut #747 infill panel.

SUSPENSION SYSTEMS

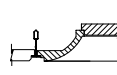
15/16"*** or 9/16"



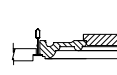
Suprafine® with Crown Coffer



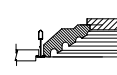
Suprafine with Cove Coffer



Suprafine with Convex Coffer



Suprafine with Bead Coffer



Suprafine with Linear Coffer

*** 15/16" not shown

PHYSICAL DATA

Material

5725, 5726, 5727, 5728, 5729 – Glass reinforced gypsum coffer; 6541 – Polycarbonate; 6448 – Electro-galvanized steel; 6613, 6614, 6615, 6616 – Steel; 6447 – Fire retardant particle board with face-cut veneers, California Air Resources Board (CARB) Compliant; 1918 – Wet-formed mineral fiber

Surface Finish

6541 – Smooth; 6448 – Factory-applied powder-coated finish (post-coated); 6613, 6614, 6615, 6616 – White, factory-applied powder-coated finish; Bare Steel, unfinished; Lacquered Steel, factory-applied lacquered finish; 6447 – Clear or tinted semi-gloss coating; 1918 – DuraBrite® with factory-applied latex paint

Fire Performance

All items except 6541 - ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. 6541 – Infusions panels have been tested according to the NFPA 286 and are equivalent to Class A Interior Finish as

defined by the International Building Code. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

ASTM E1264 Classification

6448 – Fire Class A; Unperforated - Type XX, Pattern G; Perforated – Type X, Pattern C; 6613, 6614, 6615, 6616 – Fire Class A; Unperforated – Type XX, Pattern J Z; Perforated – Type XX, Pattern C J Z; 6447 – Composite – Fire Class A; 1918 – Type IV, Form 2, Pattern E, Fire Class A

Insulation Value

1918 – R Factor 2.2 (BTU units)
R Factor 0.39 (Watts units)

Application Considerations

Clear plenum height must be at least 9 inches to accommodate 24" x 24" Metaphors Coffers. Bead profile requires only 5 inches. Coffers are intended for full panel installation only. Do not cut.

Seismic Restraint

Engineered, tested, and approved for application in all seismic areas.

Warranty

One (1) year limited warranty.
Details: armstrong.com/warranty

Weight; Square Feet/Carton

5725, 5726, 5727, 5728, 5729 - 2.35 lbs/SF; 20 SF/ctn; 5 pcs/ctn
6541 – 0.8 lbs/SF; 13.5 SF/ctn; 6 pcs/ctn
6448 – 0.89 lbs/SF; 22.5 SF/ctn
6613, 6614, 6615, 6616 – 0.50 lbs/SF; 22.5 SF/ctn
6447 – 2.75 lbs/SF; 22.5 SF/ctn; 6 pcs/ctn
1918 – 1.08 lbs/SF; 22.5 SF/ctn; 10 pcs/ctn

Minimum Order Quantity

4 cartons





optima®

product family

Smooth, clean visual available in large sizes with great sound absorption

Why select Optima?

- Outstanding acoustical performance for open plan areas where noise levels and speech privacy are important
- Fiberglass panels offer high NRC (0.90-1.00) and AC (180-200)
- Create a continuous ceiling or cloud
- Create a ceiling-to-wall transition
- The widest variety of sizes in any Armstrong family
- Small and large special sizes available. 1 carton minimum.

Why not Optima? (Consider Ultima®)

- Optima is not recommended for closed office spaces with walls not to deck where sound blocking is important. Choose Ultima for these situations.

1 Optima Capz™ 48" x 96" panels with silver caps

2 Optima Radial Custom on Prelude® 15/16" suspension system in Silver Satin with 8" Axiom® – classic trim



Optima offers many popular items formulated with a breakthrough plant-based binder. Look for the PB suffix and the green leaf icon.

OPTIMA®
Square Lay-in
 fine texture

Items with Breakthrough Plant-based Binder have a PB Suffix

10-YEAR Availability

Items 3152 & 3153



Optima Square Lay-in with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces installation time and scrap
- Items with PB suffix are manufactured with a plant-based binder
- Sag-resistant large size panels
- Compatible with TechZone™ Ceiling Systems (Pgs. 233-239)
- Item 3352 available with Create!™ colors and images, see pages 165-167
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems



Visit Armstrong.com Photo Gallery to view more installation photos
 SEARCH: optima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 196.)



1. Optima Square Lay-in
2. Optima Square Lay-in with Prelude 15/16" suspension system

COLOR



Create! colors available on item 3352. See pages 165-167.



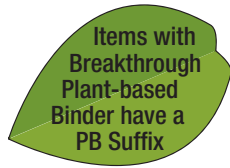
FIBERGLASS



OPTIMA®

Square Lay-in

fine texture



UP TO **71%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

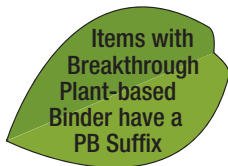
Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycle Content*	Recycled Program	Warranty†
				NRC	CAC						UL Classified	Wash	Impact	Scratch				
OPTIMA Square Lay-in																		
15/16" Square Lay-in	1	1400	6 x 48 x 1"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	1404	6 x 60 x 1"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3156	20 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3150 3150PB	24 x 24 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3152 3152PB	24 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3352	24 x 24 x 1"	0.90	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3159	24 x 24 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3151 3151PB	24 x 48 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3153 3153PB	24 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3353	24 x 48 x 1"	0.90	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3155	24 x 48 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3356	24 x 48 x 1-1/2"	0.95	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3164	24 x 60 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3161	24 x 72 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3162	24 x 96 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3158	30 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3157	30 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3160 3160PB	48 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3154	48 x 96 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	Other Sizes	W: 4" - 24" / L: 4" - 96" 3/4" Thick	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	Other Sizes	W: 4" - 42" / L: 4" - 120" W: 4" - 48" / L: 4" - 114" 1-1/2" Thick	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30

FIBERGLASS

OPTIMA®

Square Lay-in

fine texture



UP TO **71%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycle Program	Warranty*	
				NRC	CAC						UL Classified	Water Repel	Wash	Impact	Scratch			Soil
OPTIMA Square Lay-in																		
	23	1401	6 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	23	1405	6 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
OPTIMA Health Zone™ Square Lay-in																		
	1, 6, 7	3114	24 x 24 x 1"	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3314	24 x 24 x 1-1/2"	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3115	24 x 48 x 1"	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3315	24 x 48 x 1-1/2"	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	Other Sizes	W: 4" - 48" / L: 12" - 48" 1" Thick	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30

** CAC 29 achieved with Clean Room™ suspension system, not UL classified for acoustics.

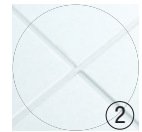
SUSPENSION SYSTEMS



NEW Blizzard White – Suspension System Finish

A color and texture coordinated suspension system to complement Optima ceiling panels for a monolithic look and feel. Available for:

- Prelude® XL® and XL HRC
- Suprafine® ML, XL, and XL HRC



PHYSICAL DATA

Material

3115, 3150-3153, 3155, 3156, 3158, 3159 – Fiberglass with DuraBrite® acoustically transparent membrane
3352, 3353, 3356, 3314, 3315 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

Surface Finish

DuraBrite with factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

VOC Emissions

(PB suffix items only)

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details

Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value

1400, 1401, 1404, 1405, 3114, 3115, 3152, 3153, 3156, 3158, 3352, 3353, 3154, 3160, 3157 –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3150, 3151, 3161, 3162, 3164 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3155, 3159, 3356, 3314, 3315 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration

Do not mix Optima and Optima Health Zone in the same room.

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

3150, 3151 – 0.44 lbs/SF; 128 SF/ctn
3152, 3153, 3114, 3115 – 0.45 lbs/SF; 96 SF/ctn
3155, 3159, 3356 – 0.61 lbs/SF; 64 SF/ctn
3156 – 0.47 lbs/SF; 100 SF/ctn
3158 – 0.47 lbs/SF; 75 SF/ctn
3352, 3353 – 0.46 lbs/SF; 96 SF/ctn
3154, 3160 – 0.45 lbs/SF; 128 SF/ctn
3157 – 0.56 lbs/SF; 100 SF/ctn
3161 – 0.43 lbs/SF; 96 SF/ctn
3164 – 0.43 lbs/SF; 100 SF/ctn
3162 – 0.42 lbs/SF; 128 SF/ctn
1400, 1401 – 0.13 lbs/SF; 24 SF/ctn
1404, 1405 – 0.16 lbs/SF; 30 SF/ctn
3314, 3315 – 0.45 lbs/SF; 96 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

3150M, 3151M, 3152M, 3153M, 3154M, 3155M, 3156M, 3158M, 3159M, 3160M, 3353M, 3356M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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Items with Breakthrough Plant-based Binder have a PB Suffix



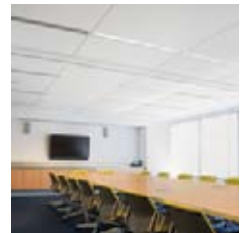
Optima Tegular 24" x 24" panels with Sonata® 9/16" suspension system (Pg. 265)

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces installation time and scrap
- Items with PB suffix are manufactured with a plant-based binder
- Sag-resistant large size panels
- Compatible with TechZone™ Ceiling Systems (Pgs. 235-241)
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

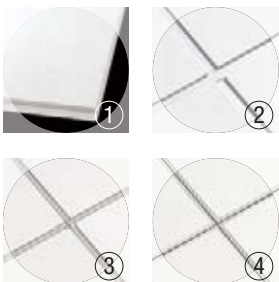
- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: optima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 200.)



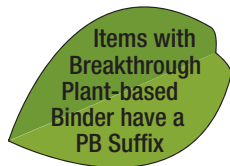
1. Optima Square Tegular
2. Optima Tegular with Prelude® 15/16" suspension system
3. Optima Tegular with Interlude® XL® 9/16" suspension system
4. Optima Tegular with Silhouette® 9/16" suspension system with 1/8" reveal

COLOR



White

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UP TO **71%** RECYCLED CONTENT
LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials
EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†	
				NRC	CAC						UL Classified	Inherent	Humi-Guard+	Wash					Impact
OPTIMA Tegular																			
15/16" Square Tegular	8	1402	6 x 48 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	1406	6 x 60 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3264	12 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3278	20 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3250 3250PB	24 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3354	24 x 24 x 1"	0.90	26	200	Class A	0.90	•	•	-	•	•	•	•	•	High	-	30
	8	3253	24 x 24 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3252 3252PB	24 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3281	24 x 72 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3282	24 x 96 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3258	30 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3286	30 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3255 3255PB	48 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	Other Sizes	W: 4" - 36" / L: 4" - 120" W: 4" - 42" / L: 4" - 102" W: 4" - 48" / L: 4" - 90" 1-1/2" Thick	1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
9/16" Square Tegular	26, 43, 47, 51, 55, 59	1410	4 x 48 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1411	4 x 60 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1412	6 x 6 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1413	6 x 12 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1415	6 x 42 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1403	6 x 48 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1417	6 x 54 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1407	6 x 60 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1409	6 x 96 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3263	12 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3290	12 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1414	12 x 96 x 1"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3276	20 x 54 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3266	20 x 56 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30



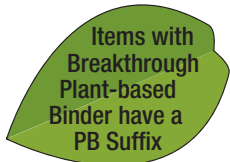
FIBERGLASS



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Tegular

fine texture



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VISUAL SELECTION

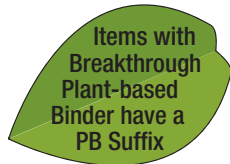
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†	
				NRC	CAC						Wash	Impact	Scratch					Soil
9/16" Square Tegular	26, 43, 47, 51, 55, 59	3277	20 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3279	21 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3251 3251PB	24 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3355	24 x 24 x 1"	0.90	26	200	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3254	24 x 24 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3280	24 x 42 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3257 3257PB	24 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3265 3265PB	24 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3261 3261PB	24 x 72 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3262 3262PB	24 x 96 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3283	27 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3268	28 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3269	28 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3259	30 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3284	30 x 54 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3289	30 x 56 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3285	30 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3287	42 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3288	44 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3256 3256PB	48 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30
26, 43, 47, 51, 55, 59	3249	48 x 54 x 1"	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	Other Sizes	W: 4" - 36" / L: 4" - 120" W: 4" - 42" / L: 4" - 102" W: 4" - 48" / L: 4" - 90" 1-1/2" Thick	1.00	N/A	200	Class A	0.90	•	•	•	•	•	•	•	High	•	30	

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LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials
Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/ catdwgs	Item No.	Dimensions (Inches)	Acoustics										Durability				Recycle Program	Warranty*		
				NRC	CAC	AC	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Water Repel	Wash	Scrub	Impact	Scratch	Soil			Primary (Embodied) Energy	Recycled Content*
OPTIMA Health Zone™				UL Classified																	
15/16" Square Tegular	8, 10	3214	24 x 24 x 1"	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	●	High	●	30
	8, 10	3316	24 x 24 x 1-1/2"	0.95	29**	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
	8, 10	3215	24 x 48 x 1"	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
	8, 10	3317	24 x 48 x 1-1/2"	0.95	29**	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
	8, 10	Other Sizes	W: 4" - 48" / L: 12" - 48" 1" Thick	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
9/16" Square Tegular	26, 43, 47, 51, 55, 59	3216	24 x 24 x 1"	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
	26, 43, 47, 51, 55, 59	3217	24 x 48 x 1"	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	
	26, 43, 47, 51, 55, 59	Other Sizes	W: 4" - 48" / L: 12" - 48" 1" Thick	0.95	N/A	190	Class A	0.86	●	●	●	●	●	●	●	●	●	High	●	30	

** CAC 29 achieved with Clean Room™ suspension system, not UL classified for acoustics.

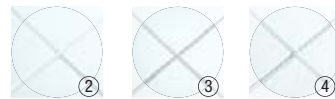
SUSPENSION SYSTEMS



NEW Blizzard White – Suspension System Finish

A color and texture coordinated suspension system to complement Optima ceiling panels for a monolithic look and feel.

- Available for:
1. Prelude® XL and XL HRC
 2. Suprafine® ML, XL, and XL HRC
 3. Silhouette® XL 1/4" and 1/8" Reveal
 4. Interlude® XL HRC



ACCESSORIES (not included; ordered separately)

435 Stabilizer Clip (3/4" & 1")
Recommended for panels 60" and greater in length
Note: Panels 60" up to 96" – One clip near mid-point of each long edge.
Panels 96" and over – Two clips at 1/3 points of each long edge.

7870 Spring Border Clip
(For installations with the panel resting on the wall molding)

PHYSICAL DATA

Material
3316, 3317, 3354, 3355 – Fiberglass with DuraBrite® acoustically transparent membrane; CAC backing
All other items – Fiberglass with DuraBrite acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less, Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

VOC Emissions (PB items only)
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
3253, 3254 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)
3281, 3282 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
All other items –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
1402, 1403 – 0.55 lbs/SF; 24 SF/ctn
1406, 1407 – 0.55 lbs/SF; 30 SF/ctn
1409, 3249, 3250, 3250PB, 3251, 3251PB, 3252, 3252PB, 3257, 3262, 3262PB, 3282 – 0.55 lbs/SF; 96 SF/ctn
1410 – 0.55 lbs/SF; 16 SF/ctn
1411 – 0.55 lbs/SF; 20 SF/ctn

1412 – 0.55 lbs/SF; 6 SF/ctn
1413 – 0.55 lbs/SF; 12 SF/ctn
1414, 3263, 3264, 3290 – 0.55 lbs/SF; 48 SF/ctn
1415 – 0.55 lbs/SF; 21 SF/ctn
1417 – 0.55 lbs/SF; 27 SF/ctn
3214 – 0.45 lbs/SF; 128 SF/ctn
3215, 3216, 3217 – 0.45 lbs/SF; 96 SF/ctn
3253, 3254 – 0.78 lbs/SF; 64 SF/ctn
3255, 3255PB, 3256, 3256PB – 0.55 lbs/SF; 128 SF/ctn
3258, 3259, 3276 – 0.55 lbs/SF; 75 SF/ctn
3261 – 0.55 lbs/SF; 72 SF/ctn
3265PB, 3277, 3278, 3285, 3286 – 0.55 lbs/SF; 100 SF/ctn
3266 – 0.55 lbs/SF; 62.22 SF/ctn
3268 – 0.55 lbs/SF; 70 SF/ctn
3269 – 0.55 lbs/SF; 93.33 SF/ctn
3279, 3280 – 0.55 lbs/SF; 84 SF/ctn
3281 – 0.55 lbs/SF; 72 SF/ctn
3283 – 0.55 lbs/SF; 67.5 SF/ctn
3284 – 0.55 lbs/SF; 90 SF/ctn
3287 – 0.55 lbs/SF; 112 SF/ctn
3288 – 0.55 lbs/SF; 117.33 SF/ctn
3316, 3317 – 0.75 lbs/SF; 64 SF/ctn
3354, 3355 – 0.57 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
3250M, 3251M, 3252M, 3253M, 3254M, 3256M, 3257M, 3354M, 3355M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



OPTIMA®
Vector
 fine texture

Items with
 Breakthrough
 Plant-based
 Binder have a
 PB Suffix



Optima Vector with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- 1/4" reveal between acoustical panels results in a monolithic appearance
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.80-0.90)
- Smooth, clean durable finish –
 Washable
 Scratch-resistant
 Soil-resistant
- Energy-saving high light-reflective finish
- Items with PB suffix are manufactured with a plant-based binder
- Item 3901 available in Create!™ colors and images – see pages 165-167
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Open plan offices
- Lobbies
- Corridors
- Areas with limited plenum depth
- Areas with indirect lighting systems
- Education



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 Photo Gallery to view more
 installation photos

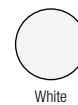
SEARCH: optima

DETAIL



1. Optima Vector
2. Optima Vector with Prelude 15/16" suspension system
3. Optima Vector with fixture trim

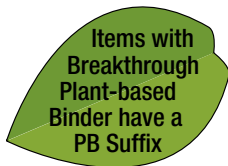
COLOR



White

Create! colors available on item 3901. See pages 165-167.

OPTIMA®
Vector
fine texture



UP TO **71%** RECYCLED CONTENT
LEED® acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials
EPD AVAILABLE
Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdws	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Primary (Embodied) Energy	Recycled Content+	Recycle Program	Warranty*	
				NRC	CAC						Wash	Scratch	Soil					
OPTIMA Vector																		
UL Classified																		
1/4" Reveal with 15/16" Vector	73	3902	12 x 24 x 7/8" □	N/A	N/A	N/A	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	73	3903	12 x 24 x 7/8" □	N/A	26	N/A	Class A	0.90	•	•	-	•	•	•	•	High	-	30
	73	3900	24 x 24 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
		3901	24 x 24 x 7/8" □	0.80	26	190	Class A	0.90	•	•	-	•	•	•	•	High	-	30
	73	3908	24 x 48 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
		3906	24 x 72 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	73	3907	24 x 96 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	73	3904	30 X 30 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	73	3905	30 X 30 x 7/8" □	0.80	26	190	Class A	0.90	•	•	-	•	•	•	•	High	-	30
	73	3909	48 x 48 x 7/8" □	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	73	FastSize™	W: 4" - 30" / L: 12" - 96" W: >30" - 48" / L: 12" - 48" 7/8" Thick	0.90	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30

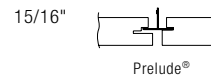
ACCESSORIES (not included; ordered separately)

Item No.		
441		Vector Border Clip (required for installations with the suspension system resting on the wall molding). Primarily used for corners and special cutouts.
442A		Vector Hold Down Clip (required for installation)
7425 / 7445		24" Stabilizer Bar / 48" Stabilizer Bar
522		Mid-point Clip 48" x 48" Vector panels only
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate
5790	12"	White	Extruded PVC
5791	24"	White	Extruded PVC
5792	30"	White	Extruded PVC
5793	48"	White	Extruded PVC

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
3900, 3902, 3904, 3908 – Fiberglass with DuraBrite® acoustically transparent membrane
3901, 3903, 3905 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

VOC Emissions (PB Items Only)
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order.

Insulation Value
R Factor – 3.5 (BTU units)
R Factor – 0.62 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
3900, 3901, 3902, 3903 – 0.58 lbs/SF; 48 SF/ctn
3904, 3905 – 0.59 lbs/SF; 75 SF/ctn
3908 – 0.56 lbs/SF; 96 SF/ctn
3909 – 0.60 lbs/SF; 64 SF/ctn
3906 – 0.57 lbs/SF; 72 SF/ctn
3907 – 0.56 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton



OPTIMA® Non-Traditional Sizes

Square Lay-in & Tegular

fine texture



Optima Custom Size 48" x 120" with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Sag-resistant large format acoustical panels
- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Smooth, clean, durable finish – Washable
Impact-resistant
Scratch-resistant
Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Lobbies
- Corridors
- Auditoriums
- Education
- Healthcare



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Photo Gallery to view more
installation photos

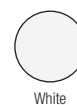
SEARCH: optima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 204.)



1. Optima Square Tegular
2. Optima Square Lay-in with Prelude 15/16" suspension system
3. Optima Tegular with Interlude® XL 9/16" suspension system

COLOR



Custom Optima Radial panels available. (See pgs. 207-209)

OPTIMA® Non-Traditional Sizes

Square Lay-in & Tegular
fine texture

UP TO **71%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE




Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



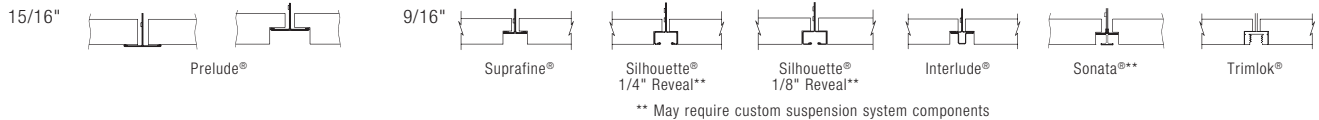
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

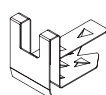
Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Width	Dimensions Length	Thickness	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty	
					NRG	CAC						UL Classified	Inherent	Humi-Guard+	Wash					Impact
OPTIMA Non-Traditional Sizes																				
15/16" Square Lay-in	1	4"- 24"	4"- 96"	3/4"	0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	1	NEW FastSize™ 4"- 48"	4"- 120"	1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	1	4"- 42" 4"- 48"	4"- 120" 4"- 114"	1-1/2" 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
15/16" Square Tegular	8	NEW FastSize™ 4"- 48"	4"- 120"	1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	4"- 36" 4"- 42" 4"- 48"	4"- 120" 4"- 102" 4"- 90"	1-1/2" 1-1/2" 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
9/16" Square Tegular	26, 51	NEW FastSize™ 4"- 48"	4"- 120"	1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	4"- 36" 4"- 42" 4"- 48"	4"- 120" 4"- 102" 4"- 90"	1-1/2" 1-1/2" 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30

SUSPENSION SYSTEMS



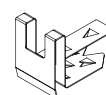
ACCESSORIES (not included; ordered separately)

Item No. 435



Stabilizer Clip (3/4" & 1")
Recommended for panels 60" and greater in length

Item No. 436



Stabilizer Clip (1-1/2")
Recommended for panels 60" and greater in length

NOTE: Panels 60" up to 96" – One clip installed near the mid-point of each long edge.
Panels 96" and over – Two clips installed at one-third points of each long edge.

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane. With or without CAC backing.

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
CAC backing is available as a special order. CAC value of 37 can be achieved by backloading soft fiber products with item 769 or 770.

Insulation Value
3/4" – R Factor – 3.0 (BTU units) 0.53 (Watts units)
1" – R Factor – 4.0 (BTU units) 0.70 (Watts units)
1-1/2" – R Factor – 6.0 (BTU units) 1.05 (Watts units)

Weight; Square Feet/Carton
Sizes, weight, and square feet vary with order

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Minimum Order Quantity
1 carton



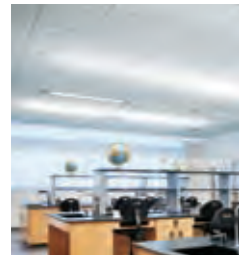
OPTIMA® Health Zone™

Square Lay-in, Tegular

fine texture



Health Zone Optima Square Tegular with Prelude® XL® 15/16" suspension system (Pg.259)



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: optima

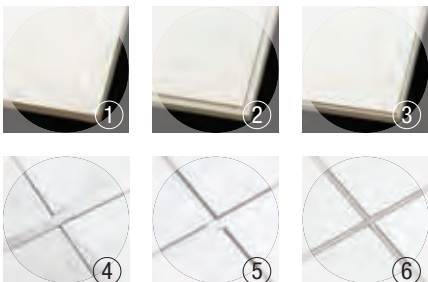
KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Items 3114, 3115, 3214, 3215 with Clean Room suspension system)
- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Smooth, clean, durable finish – Impact-resistant, Scratch-resistant, and Soil-resistant
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.95)
- Long-lasting water-repellency
- Washable and Scrubbable
- Safe for use with disinfectants
- Meets USDA/FSIS guidelines for use in food processing areas
- Energy-saving high light-reflective finish
- Visual complements Ultima®, Ultima Health Zone, and Optima
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Clean Rooms
- Medical facilities
- Data centers
- Healthcare. Assists in addressing FGI and HIPAA requirements.
- Patient rooms (walls-to-deck)
- Treatment rooms (walls-to-deck)
- Nurses' stations
- Emergency rooms
- Semi-restricted surgical areas
- Kitchens/food preparation areas
- Laboratories

DETAIL (Other Suspension Systems compatible. Refer to listing on page 206.)



1. Optima Health Zone Square Lay-in
2. Optima Health Zone 15/16" Square Tegular
3. Optima Health Zone 9/16" Square Tegular
4. Optima Health Zone Square Lay-in with Clean Room™ 15/16" suspension system
5. Optima Health Zone Square Tegular with Prelude XL 15/16" suspension system
6. Optima Health Zone Square Tegular with Interlude® XL 9/16" suspension system

COLOR



White

OPTIMA® Health Zone™

Square Lay-in, Tegular
fine texture

UP TO **71%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

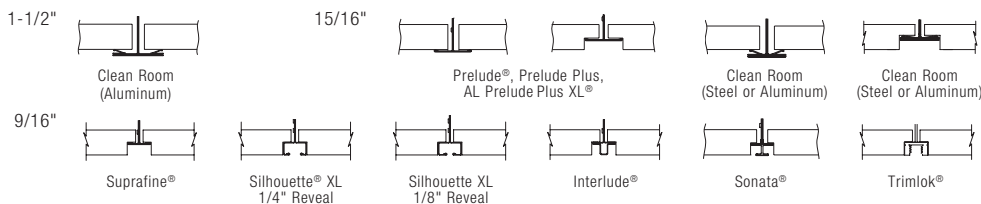
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability						Recycle Program	Warranty*		
				NRC	CAC						AC	UL Classified	Inherent	Humi-Guard+	Water Repel	Wash			Scrub	Impact
OPTIMA Health Zone																				
15/16" Square Lay-in	1, 6, 7	3114	24 x 24 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3314	24 x 24 x 1-1/2"	□	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3115	24 x 48 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	1, 6, 7	3315	24 x 48 x 1-1/2"	□	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	1	Other Sizes		W: 4" - 47" / L: 12" - 48" 1" Thick	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•
15/16" Square Tegular	8, 10	3214	24 x 24 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	8, 10	3316	24 x 24 x 1-1/2"	□	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	8, 10	3215	24 x 48 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	8, 10	3317	24 x 48 x 1-1/2"	□	0.95	29**	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	8, 10	Other Sizes		W: 4" - 47" / L: 12" - 48" 1" Thick	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•
9/16" Square Tegular	26, 43, 47, 51, 55, 59	3216	24 x 24 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3217	24 x 48 x 1"	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	Other Sizes		W: 4" - 47" / L: 12" - 48" 1" Thick	□	0.95	N/A	190	Class A	0.86	•	•	•	•	•	•	•	High	•	30

** CAC 29 achieved with Clean Room™ suspension system, CAC backed items not UL Classified for acoustics.

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

3114, 3115, 3214, 3215, 3216, 3217 – Fiberglass with DuraBrite® acoustically transparent membrane. 3314, 3315, 3316, 3317 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing.

Surface Finish

DuraBrite with factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type XII, Form 2, Pattern E, Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

Acoustical Details

Some items have CAC backing. CAC backing may be available as a special order. CAC value of 37 can be achieved by backloading soft fiber products with item 769 or 770.

Application Considerations

For Clean Room installations, use full-size panels. Testing for Clean Room 5 (Class 100) was completed

with full-size 15/16" gasketed suspension system. For Clean Rooms that require field cut perimeter panels, use Lay-in panels (3114, 3115) or Tegular panels (3214, 3215) with Lay-in field cut panels at the perimeter.

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Cleaning Recommendations

To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:

- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton

3114, 3115, 3214, 3215, 3216, 3217, 3314, 3315 – 0.45 lbs/SF; 96 SF/ctn
3316, 3317 – 0.75 lbs/SF; 64 SF/ctn

Minimum Order Quantity

1 carton



OPTIMA® Radial

Lay-in & Tegular

fine texture



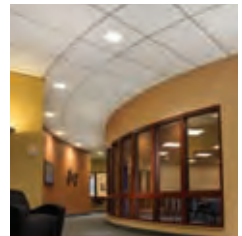
Optima Radial Custom White with Prelude® 15/16" custom suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance in both Articulation Class (190-200) and NRC (0.90-0.95)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy saving high light-reflective finish
- Sag resistant large panels
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

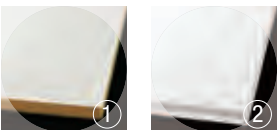
- Office
- Education
- Hospitality and retail
- Healthcare
- Transportation



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SEARCH: optima

DETAIL



1. Optima Square Lay-in
2. Optima Square Tegular

COLOR



White

OPTIMA® Radial

Lay-in & Tegular
fine texture

UP TO **71%** RECYCLED CONTENT

LEED®

acoustics ✓ energy ✓ daylight & views ✓ indoor air quality ✓ renewable materials ✓ recycled content ✓ waste mgmt ✓ local* materials ✓

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

RADIAL SYSTEM OVERVIEW

Product	Panels	Length	Width	System Capabilities	Suspension System
	Custom Trapezoid Lay-in, Custom Trapezoid Tegular	6" intervals from 24"-66"	12"-48"	<ul style="list-style-type: none"> Meets taper up to 5° Minimum inside radius 12" Center must be a separate component 	Interlude®, Suprafine®, Prelude® (accessible) with custom cross tees
<p>OPTIMA Lay-in or Tegular</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1-sided</p> <p>2-sided</p> <p>equal</p> <p>One-sided or symmetrical two-sided trapezoid</p> </div> <div style="width: 45%;"> <p>One-sided:</p> <ul style="list-style-type: none"> Refer to Optima Radial Technical Guide for additional capabilities <p>Two-sided:</p> <ul style="list-style-type: none"> Each tapered side MUST be symmetrical Refer to Optima Radial Technical Guide for additional capabilities </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Minimum radius 12'-0" (12" minimum panel edge)</p> </div> <div style="width: 45%;"> <p>Minimum Radius:</p> <ul style="list-style-type: none"> The minimum achievable radius is 12'. This is based on a minimum panel edge of 12" with the maximum tapers noted below Optima Radial CANNOT be used inside this 12' radius – drywall may be a suitable alternative </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Width:</p> <ul style="list-style-type: none"> Trapezoid panels are available in widths from 12" to 48" </div> <div style="width: 45%;"> <p>Taper:</p> <ul style="list-style-type: none"> The maximum taper angle per side for all trapezoids is 2.5 degrees For two-sided trapezoids, the taper angle must be equal on both sides (i.e., symmetrical) for a maximum of 5 degrees </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>48" max</p> <p>12" min</p> <p>Width 12" - 48"</p> </div> <div style="width: 45%;"> <p>Length:</p> <ul style="list-style-type: none"> 8 lengths are available in the following 6" increments: 24", 30", 36", 42", 48", 54", 60", and 66" </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Length 24"-66" in 6" increments</p> </div> <div style="width: 45%;"> <p>Length:</p> <ul style="list-style-type: none"> 8 lengths are available in the following 6" increments: 24", 30", 36", 42", 48", 54", 60", and 66" </div> </div>					

NOTE: This information does not apply to WoodWorks® or MetalWorks™ Radial ceilings. Please consult with Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4, or visit armstrong.com/radial for more details.

PHYSICAL DATA

Material

Fiberglass with DuraBrite® acoustically transparent membrane. With or without CAC backing.

Surface Finish

DuraBrite with factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Primary (Embodied) Energy

See all LCA information on our EPD's.

High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

3/4" – R Factor – 3.0 (BTU units) 0.53 (Watts units)
1" – R Factor – 4.0 (BTU units) 0.70 (Watts units)
1-1/2" – R Factor – 6.0 (BTU units) 1.05 (Watts units)

Weight; Square Feet/Carton

Sizes, weight, and square feet vary with order

30-Year Performance Guarantee & Warranty

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Minimum Order Quantity

1 carton

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armstrong.com/commceilings
(search: optima)
BPCS-4630-413

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PAINTED NUBBY™

Square Lay-in & Tegular
medium texture



Painted Nubby with Prelude® 15/16" suspension system (Pg. 259)

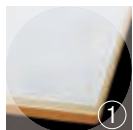
KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance; both Articulation Class (180-190) and NRC (0.85-0.95)
- Fiberglass substrate will resist mold/mildew and bacterial growth
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Open plan offices
- Areas requiring superior acoustics and sag resistance

DETAIL



1



2

1. Painted Nubby Tegular
2. Painted Nubby Tegular with Silhouette® 9/16" suspension system 1/4" reveal

COLOR



White

PAINTED NUBBY™

Square Lay-in & Tegular

medium texture

UP TO **71%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

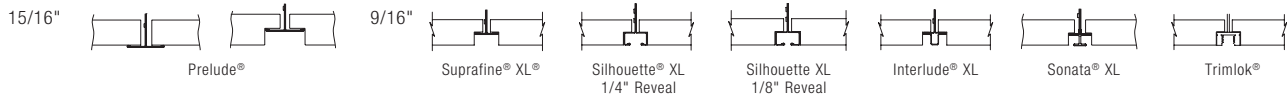
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty*	
				NRC	CAC										
PAINTED NUBBY Square Lay-in															
15/16" Square Lay-in	1	3102	24 x 24 x 1"	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
	1	3101	24 x 48 x 3/4"	0.85	N/A	180	Class A	0.84	•	•	–	Std	High	–	30
	1	3103	24 x 48 x 1"	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
	1	3104	48 x 96 x 1"	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
	1	Other Sizes	W: 4" - 48" / L: 4" - 120" 3/4" or 1" Thick	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
PAINTED NUBBY Tegular															
15/16" Square Tegular	8	3200	24 x 24 x 1"	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
9/16" Square Tegular	26, 43, 47, 51, 55, 59	3201	24 x 24 x 1"	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30
	26, 43, 47, 51, 55, 59	Other Sizes	W: 4" - 48" / L: 4" - 120" 3/4" or 1" Thick	0.95	N/A	190	Class A	0.84	•	•	–	Std	High	–	30

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Fiberglass with fabric facing

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
3101 – R Factor - 3.0 (BTU units)
R Factor - 0.53 (Watts units)
3102, 3103, 3200, 3201 – R Factor - 4.0 (BTU units)
R Factor - 0.70 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
3101 – 0.44 lbs/SF; 128 SF/ctn
3102, 3103 – 0.46 lbs/SF; 96 SF/ctn
3104 – 0.46 lbs/SF; 128 SF/ctn
3200, 3201 – 0.55 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
3102M, 3101M, 3103M, 3200M, 3201M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



PEBBLE™
Square Lay-in
medium texture



Pebble with Prelude® 15/16" suspension system (Pg. 259)

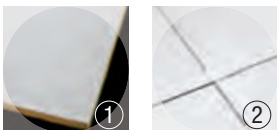
KEY SELECTION ATTRIBUTES

- Excellent acoustical absorption (perforated items)
- Easy-clean, durable surface
- Economical
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms

DETAIL



1. Pebble
2. Pebble with Prelude 15/16" suspension system

COLOR



PEBBLE™

Square Lay-in medium texture

UP TO **71%** RECYCLED CONTENT

LEED®

- acoustics ✓
- energy ✓
- daylight & views ✓
- indoor air quality ✓
- renewable materials ✓
- recycled content ✓
- waste mgmt ✓
- local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



VISUAL SELECTION

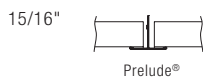
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycled Content*	Recycle Program	Warranty†
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Soil			
PEBBLE Square Lay-in (Perforated)																		
15/16" Square Lay-in	1	2983	24 x 48 x 5/8"	0.70	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
	1	2970	24 x 60 x 5/8"	0.70	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.70	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
PEBBLE High-NRC (Perforated)																		
15/16" Square Tegal	1	2988	24 x 24 x 1"	0.80	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
	1	2989	24 x 48 x 1"	0.80	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 1" Thick	0.80	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
PEBBLE (Unperforated)																		
15/16" Square Tegal	1	2968	24 x 48 x 5/8"	0.50	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.50	N/A	Class A	0.89	•	•	–	•	•	•	•	•	High	–	30



SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type XII, Form 1, Pattern E C
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
2968, 2970, 2983 - R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)
2988, 2989 - R Factor - 4.0 (BTU units)
R Factor - 0.70 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
2968, 2983 – 0.20 lbs/SF; 128 SF/ctn
2970 – 0.20 lbs/SF; 120 SF/ctn
2988, 2989 – 0.31 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton, excludes special sizes

Metric Items Available
2983M, 2970M, 2988M, 2989M, 2968M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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(search: pebble)
BPCS-3052-413

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RANDOM FISSURED™

Square Lay-in
fine texture

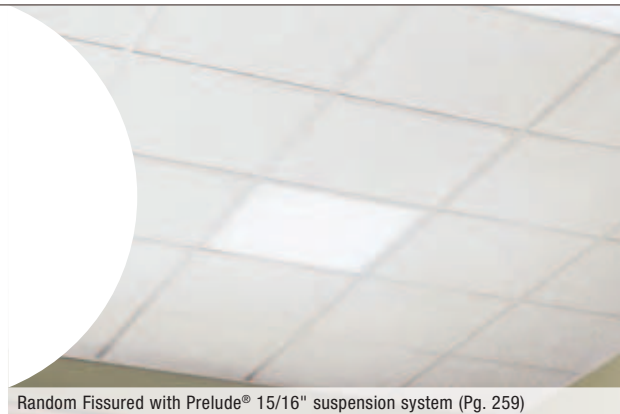
UP TO 71% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Random Fissured with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Excellent sound absorption (perforated options)
- Easy-clean, durable surface
- Economical
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms

COLOR



White

VISUAL SELECTION

PERFORMANCE

 Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycled Content*	Recycle Program	Warranty†	
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Soil				No. of Years
RANDOM FISSURED (Perforated)				UL Classified	Inherent	Humi-Guard+													
15/16" Square Lay-in	1	2908	24 x 24 x 5/8" □	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	•	High	-	30
	1	2910	24 x 48 x 5/8" □	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	•	High	-	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	•	High	-	30
RANDOM FISSURED (Unperforated)																			
15/16" Square Lay-in	1	2909	24 x 24 x 5/8" □	0.55	N/A	Class A	0.72	•	•	-	•	•	•	•	•	•	High	-	30
	1	2911	24 x 48 x 5/8" □	0.55	N/A	Class A	0.72	•	•	-	•	•	•	•	•	•	High	-	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.55	N/A	Class A	0.72	•	•	-	•	•	•	•	•	•	High	-	30

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
2908, 2910 – Type XII, Form 1, Pattern E C
2909, 2911 – Type XII, Form 1, Pattern E
Fire Class A



Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
0.17 lbs/SF; 128 SF/ctn

Minimum Order Quantity
1 carton, excludes special sizes

Metric Items Available
Items 2908M, 2910M, 2909M, 2911M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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(search: random fissured)
BPCS-3696-413

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SHASTA®

Square Lay-in

fine texture

UP TO **71%** RECYCLED CONTENT

LEED®

acoustics ✓ energy ✓ daylight & views ✓ indoor air quality ✓ renewable materials ✓ recycled content ✓ waste mgmt ✓ local* materials ✓

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



Shasta Item 2906 with Prelude® 15/16" suspension system (Pg. 259)

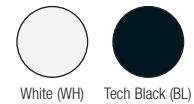
KEY SELECTION ATTRIBUTES

- Excellent sound absorption (perforated options)
- Easy-clean, durable surface
- Economical
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms



COLOR



VISUAL SELECTION

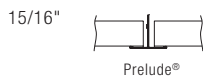
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycled Content*	Recycle Program	Warranty†
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Soil			
SHASTA (Perforated)																		
15/16" Square Lay-in	1	2904	24 x 24 x 5/8" □	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	High	-	30
	1	2906 __ ♦♦	24 x 48 x 5/8" □	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	High	-	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.70	N/A	Class A	0.72	•	•	-	-	•	•	•	•	High	-	30
SHASTA (Unperforated)																		
15/16" Square Lay-in	1	2905 __ ♦♦	24 x 24 x 5/8" □	0.50	N/A	Class A	0.72	•	•	-	•	•	•	•	•	High	-	30
	1	2907	24 x 48 x 5/8" □	0.50	N/A	Class A	0.72	•	•	-	•	•	•	•	•	High	-	30
	1	Other Sizes	W: 12" - 30" / L: 12" - 60" 5/8" Thick	0.50	N/A	Class A	0.72	•	•	-	•	•	•	•	•	High	-	30

♦♦ Add 2-letter color suffix to item number when specifying or ordering (e.g., 2906 B L).

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
2904, 2906 – Type XII, Form 1, Pattern E C
2905, 2907 – Type XII, Form 1, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)

30-Year Performance Guarantee & Warranty†
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
0.17 lbs/SF; 128 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
Items 2904M, 2906M, 2905M, 2907M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



School Zone™ FINE FISSURED™ & School Zone GEORGIAN™

Square Lay-in
medium texture



School Zone Fine Fissured with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Excellent sound absorption – products can help comply with ANSI S12.60 Classroom Guidelines
- Economical
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Schools
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Libraries/band rooms
- Corridors

DETAIL (Other Suspension Systems compatible. Refer to listing on page 216.)



1. School Zone Fine Fissured Square Lay-in
2. School Zone Georgian
3. Fine Fissured Square Lay-in with Prelude 15/16" suspension system
4. School Zone Georgian with Prelude 15/16" suspension system

COLOR



School Zone™ FINE FISSURED™ & School Zone GEORGIAN™

Square Lay-in
medium texture

UP TO **55%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



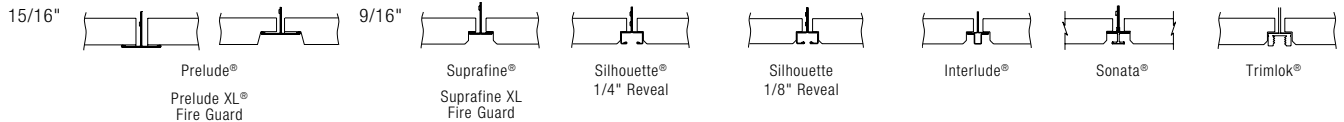
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Recycled Content*	Recycle Program	Warranty*
				NRC	CAC						Wash	Impact	Scratch			
School Zone FINE FISSURED																
	1	1713	24 x 24 x 3/4"	0.70	35	Class A	0.85	•	•	•	–	–	–	High	•	30
	1	1810	24 x 24 x 3/4"	0.70	40	Fire Guard	0.85	•	•	•	–	–	–	High	•	30
	1	1714	24 x 48 x 3/4"	0.70	40	Class A	0.85	•	•	•	–	–	–	High	•	30
	1	1811	24 x 48 x 3/4"	0.70	40	Fire Guard	0.85	•	•	•	–	–	–	High	•	30
	13	1717	24 x 24 x 3/4"	0.70	40	Class A	0.85	•	•	•	–	–	–	High	•	30
	13	1820	24 x 24 x 3/4"	0.70	35	Fire Guard	0.85	•	•	•	–	–	–	High	•	30
	13	1824	24 x 48 x 3/4"	0.70	35	Fire Guard	0.85	•	•	•	–	–	–	High	•	30
	29, 44, 48, 52, 56, 60	1719	24 x 24 x 3/4"	0.70	40	Class A	0.85	•	•	•	–	–	–	High	•	30
	29, 44, 48, 52, 56, 60	1821	24 x 24 x 3/4"	0.70	35	Class A	0.85	•	•	•	–	–	–	High	•	30
School Zone GEORGIAN																
	1	796	24 x 24 x 3/4"	0.65	35	Class A	0.86	•	•	•	•	•	•	High	•	30
	1	795	24 x 48 x 3/4"	0.65	35	Class A	0.86	•	•	•	•	•	•	High	•	30

SUSPENSION SYSTEMS



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification

Type III, Form 2, Pattern C E Fire Class A

Sag Resistance

HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria

BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

School Zone Fine Fissured: R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)
School Zone Georgian: R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty*

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

1824 – 1.20 lbs/SF; 64 SF/ctn
1717, 1719 – 1.25 lbs/SF; 48 SF/ctn
1713, 1810, 1820, 1821 – 1.31 lbs/SF; 48 SF/ctn
1714, 1811 – 1.38 lbs/SF; 64 SF/ctn
795 – 1.38 lbs/SF; 64 SF/ctn
796 – 1.31 lbs/SF; 48 SF/ctn

Minimum Order Quantity

1 carton

Metric Items Available

Items 1810M, 1811M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



TINCRAFT™

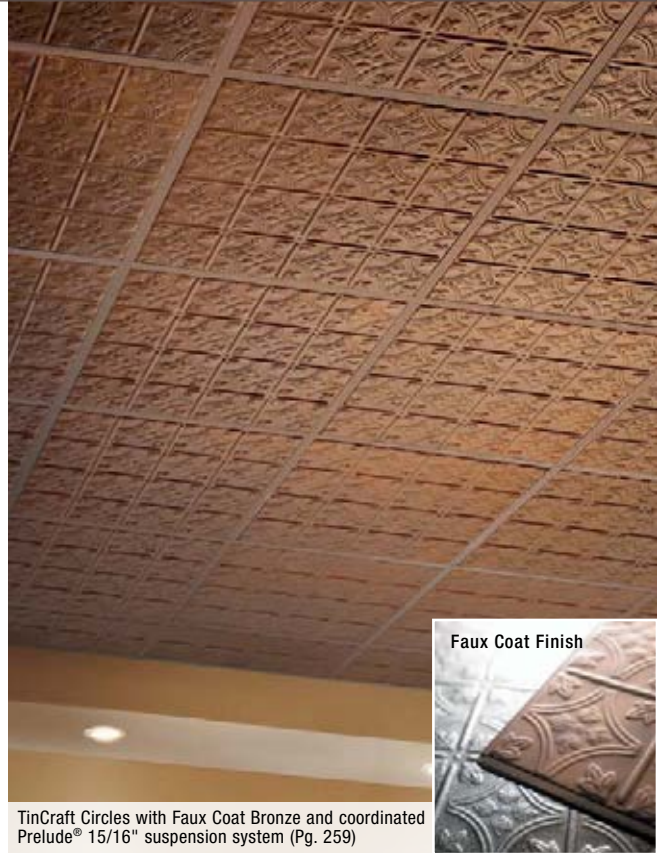
Circles, Squares™ & Triangles™

Tegular

smooth texture



TinCraft Squares with Suprafine® 9/16" suspension system (Pg. 266)



TinCraft Circles with Faux Coat Bronze and coordinated Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Early 20th century embossed metal look
- Affordable, practical alternative to traditional tin and metal ceilings
- Finely detailed design for upscale look

TYPICAL APPLICATIONS

- Specialty shops/stores
 - Restaurants
 - Dining areas
- * Not recommended for areas requiring acoustical performance

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



White (WH)



Faux Coat Pewter (PW)



Faux Coat Bronze (BZ)



Silver (SL)

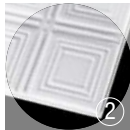


Copper (CP)

Color finishes available on TinCraft Circles only. Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAIL

(Other Suspension Systems compatible. Refer to listing on page 220.)



1. TinCraft Circles
2. TinCraft Squares
3. TinCraft Triangles
4. TinCraft Circles with Prelude 15/16" suspension system
5. TinCraft Squares with Suprafine 9/16" suspension system
6. TinCraft Triangles with Suprafine 9/16" suspension system

TINCRAFT™

Circles, Squares™ & Triangles™
Tegular
smooth texture

UP TO **55%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect (White only)	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC									
TINCRAFT Circles				UL Classified										
15/16" Flush Tegular	3	8008 _ _ **	24 x 24 x 3/4" □	N/A	35	Class A	0.78	-	Std	•	Std	Std	•	1
TINCRAFT Squares														
9/16" Flush Tegular	25	8009	24 x 24 x 3/4" □	N/A	35	Class A	0.78	-	Std	•	Std	High	•	1
TINCRAFT Triangles														
9/16" Flush Tegular	25	8010	24 x 24 x 3/4" □	N/A	35	Class A	0.78	-	Std	•	Std	High	•	1

** Add 2-letter color suffix to item number when specifying or ordering (e.g., 8008 P W).



Circles



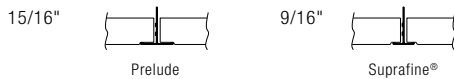
Squares



Triangles

SUSPENSION SYSTEMS

For coordinating color, specify Prelude® XL® items 7301 main beam, XL7342, XL7328 cross tees, and 7800 wall molding with the appropriate 2-letter color suffix.



PHYSICAL DATA

Material

Wet-formed mineral fiber

Surface Finish

Factory-applied latex paint

Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification

Type III, Form 2, Pattern J Z (Classic embossed tin ceiling design)
Fire Class A

VOC Emissions

Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is now referenced as the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*

Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value

Average R – 1.6 (BTU units)
Average R – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty†

When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton

8008 – 0.90 lbs/SF; 48 SF/ctn
8009, 8010 – 1.23 lbs/SF; 32 SF/ctn

Minimum Order Quantity

1 carton





TUNDRA®

Square Lay-in & Tegular
medium texture

UP TO **35%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Tundra with Suprafine® 9/16" suspension system (Pg. 266)

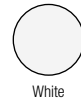
KEY SELECTION ATTRIBUTES

- Durable
 - Impact-resistant
 - Scratch-resistant
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices
- Schools
- Corridors

COLOR



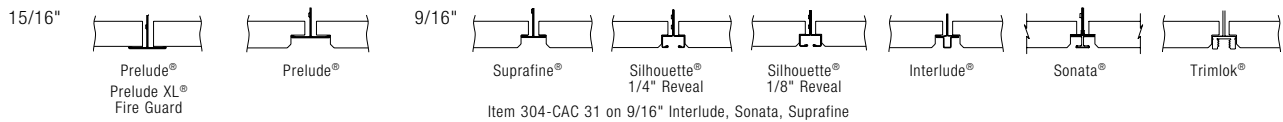
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability		Recycled Content	Recycle Program	Warranty*
				NRC	CAC						Impact	Scratch			
TUNDRA															
15/16" Square Lay-in	1	301	24 x 24 x 5/8" □	0.50	33	Class A	0.87 ●	●	●	–	●	●	Std	●	30
	1	302	24 x 48 x 5/8" □	0.50	35	Class A	0.87 ●	●	●	–	●	●	Std	●	30
	1	Other Sizes	W: 24" / L: 24" - 48" 5/8" Thick	0.50	35	Class A	0.87 ●	●	●	–	●	●	Std	●	30
15/16" Beveled Tegular	15	303	24 x 24 x 5/8" □	0.50	33	Class A	0.87 ●	●	●	–	●	●	Std	●	30
	15	305	24 x 48 x 5/8" □	0.50	35	Class A	0.87 ●	●	●	–	●	●	Std	●	30
	15	Other Sizes	W: 24" / L: 24" - 48" 5/8" Thick	0.50	35	Class A	0.87 ●	●	●	–	●	●	Std	●	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	304	24 x 24 x 5/8" □	0.50	33	Class A	0.87 ●	●	●	–	●	●	Std	●	30
	29, 44, 48, 52, 56, 60	Other Sizes	W: 24" / L: 24" - 48" 5/8" Thick	0.50	33	Class A	0.87 ●	●	●	–	●	●	Std	●	30

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed high density mineral fiber

Surface Finish
Factory-applied latex paint with scuff-resistant spatter coat

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

Insulation Value
R Factor – 1.7 (BTU units)
R Factor – 0.30 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
301, 302, 305 – 1.09 lbs/SF; 64 SF/ctn
303, 304 – 1.10 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
302M, 303M, 305M, 304M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



TechLineSM / 1 877 ARMSTRONG
armstrong.com/commceilings
(search: tundra)
BPCS-3038-1213

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ultima®

product family

Smooth, clean visual with excellent sound absorption and blocking

Why select Ultima?

- Mineral fiber panels provide excellent acoustical performance; NRC (0.70-0.80) and CAC (35-40). High CAC is critical to achieving speech privacy in closed offices, conference rooms, classrooms, healthcare exam rooms, and doctors' offices
- Ultima Ceiling-2-Ceiling™ is made from recycled ceilings, and has 80% recycled content
- Create a continuous ceiling or cloud
- Create a ceiling-to-wall transition

Why not Ultima? (Consider Optima®)

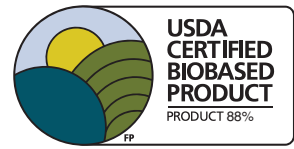
- Standard Ultima is not the best choice for open plan spaces where noise reduction and speech privacy are critical. Choose Ultima High-NRC or Optima for these situations.



There are a variety of size options for standard Ultima panels. Other sizes are also available. Ultima is now offered with AirGuard™ Coating which reduces formaldehyde in indoor air.

- 1 Ultima Tegular item 1912 24" x 24" panels on Suprafine® XL® 9/16" suspension system and Axiom®- Knife Edge® Perimeter Trim. Harley Ellis Devereaux, Los Angeles, CA
- 2 Ultima Tegular item 1912 24" x 24" panels on Silhouette® XL 9/16" suspension system. SCA Americas, Philadelphia, PA

ULTIMA®
Square Lay-in
 fine texture



Items 1910, 1913



Ultima Square Lay-in with Prelude® 15/16" suspension system (Pg. 259)

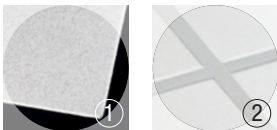
KEY SELECTION ATTRIBUTES

- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Scrubbable and water-repellent (Ultima Health Zone™)
- Excellent sound absorption
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: Items 1910HRC, 1913HRC. 71% Pre-consumer; 15% Post-consumer
- 88% Biobased content (see page 331)
- Available with AirGuard™ Coating
- Visual coordinates with Optima® for mixed (open/closed plan) applications
- Items 1910 and 1935 available with Create!™ colors and images – see pages 165-167
- Non-directional visual reduces installation time and scrap
- Compatible with TechZone™ Ceiling Systems (Pgs. 235-241)
- Meets USDA/FSIS guidelines for use in food processing areas (items 1935 and 1938)
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail
- Kitchens, dining rooms, and food preparation areas (items 1935, 1938)

DETAIL (Other Suspension Systems compatible. Refer to listing on page 224.)



1. Ultima Square Lay-in and Ultima Health Zone
2. Ultima Square Lay-in with Prelude 15/16" suspension system

COLOR



Create! colors available on items 1910, 1935. See pages 165-167.

White

ULTIMA[®]

Square Lay-in

fine texture

HRC items contain 15% or greater post-consumer recycled ceilings



UP TO **86%** RECYCLED CONTENT

LEED[®]

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



VISUAL SELECTION

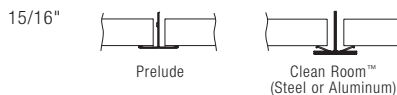
PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdws	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty**
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Scratch				
ULTIMA Square Lay-in																			
15/16" Square Lay-in	1	1420	6 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	1425	6 x 60 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	NEW 1990	12 x 48 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	NEW 1991	12 x 60 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	NEW 1992	12 x 72 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	1910 1910HRC**	24 x 24 x 3/4" 24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	1913 1913HRC**	24 x 48 x 3/4" 24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	1984	24 x 60 x 3/4"	0.70	35	Class A	0.85	•	•	•	•	•	•	•	•	•	•	•	30
	1	1980	24 x 72 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
1	NEW FastSize™	W: 4" - 24" / L: 4" - 72" 3/4" Thick	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30	
ULTIMA Health Zone™/High Washability																			
15/16" Square Lay-in	1, 6, 7	1935	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	•	•	•	30
	1, 6, 7	1938	24 x 48 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	•	•	•	30
ULTIMA with AirGuard™ Coating																			
15/16" Square Lay-in	1	1900	24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30
	1	1903	24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	30

** Other sizes not available for HRC items.

SUSPENSION SYSTEMS



NEW **Blizzard White – Suspension System Finish**
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel. Available for Prelude XL[®] and XL HRC.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite[®] acoustically transparent membrane
1935, 1938 – Wet-formed mineral fiber with DuraBrite acoustically transparent water-repellent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard[®] Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock[®] Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Cleaning Recommendations (Items 1935, 1938)
To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:
• Sodium hypochlorite • Hydrogen peroxide
• Quaternary ammonium

Weight; Square Feet/Carton
1910, 1913, 1938, 1900, 1903, 1935 – 1.08 lbs/SF; 48 SF/ctn
1980 – 1.08 lbs/SF; 72 SF/ctn
1984 – 1.08 lbs/SF; 80 SF/ctn
1990 – 1.08 lbs/SF; 24 SF/ctn
1991 – 1.08 lbs/SF; 30 SF/ctn
1992 – 1.08 lbs/SF; 36 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1910M, 1913M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



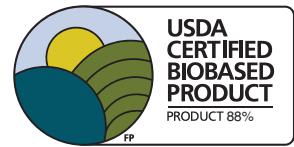
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armstrong.com/commceilings
(search: ultima)
BPCS-4595-414

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ULTIMA®

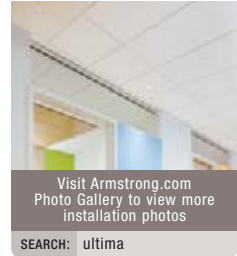
Tegular
fine texture



Items 1911, 1912,
1914, 1915



Ultima Beveled Tegular with Sonata® 9/16" suspension system (Pg. 265)



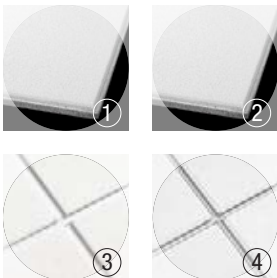
KEY SELECTION ATTRIBUTES

- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Scrubbable and water-repellent (items 1936, 1937)
- Excellent sound absorption
- High CAC for excellent sound blocking – items 1951, 1952
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: Items 1911HRC, 1912HRC, 1914HRC, 1915HRC. 71% Pre-consumer; 15% Post-consumer
- 88% Biobased content (see page 331)
- Available with AirGuard™ Coating
- Visual coordinates with Optima® for mixed (open/closed plan) applications
- Items 1912 and 1936 available on Create!™ colors and images – see pages 163-165
- Non-directional visual reduces installation time and scrap
- Compatible with the TechZone™ Ceiling Systems
- Meets USDA/FSIS guidelines for use in food processing areas (items 1936 and 1937)
- 30-Year Limited System Warranty against visible sag (excludes items 1905 and 1929), mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail
- Areas requiring frequent plenum access
- Areas with indirect lighting systems
- Kitchens, dining rooms, and food preparation areas (items 1936 and 1937)

DETAIL (Other Suspension Systems compatible. Refer to listing on page 228.)



1. Ultima Beveled Tegular
2. Ultima Health Zone™ Beveled Tegular
3. Ultima with Suprafine® 9/16" suspension system
4. Ultima with Silhouette® XL® 9/16" suspension system with 1/4" reveal

COLOR



Create! colors available on items 1912, 1936. See pages 165-167.

ULTIMA®

Tegular
fine texture

HRC items contain 15% or greater post-consumer recycled ceilings



UP TO **86%** RECYCLED CONTENT

EPD
AVAILABLE

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability						Recycled Content*	Recycle Program	Warranty**	
				NRG	CAC						Water Repel	Wash	Scrub	Impact	Scratch	Soil				Primary (Embodied) Energy
ULTIMA Tegular				UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	UL Classified	
15/16" Beveled Tegular	15	1422	6 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30
	15	1917	12 x 24 x 3/4"	N/A	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30
15	NEW 1993	12 x 48 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	NEW 1994	12 x 60 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	NEW 1995	12 x 72 x 3/4"	0.65	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	1911 1911HRC**	24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	1951	24 x 24 x 3/4"	0.60	40	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	NEW 1894	24 x 24 x 3/4"	0.60	40	Fire Guard	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	1914 1914HRC**	24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	1985	24 x 60 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	1981	24 x 72 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
15	NEW FastSize™	W: 4" - 24" / L: 4" - 72" 3/4" thick	0.60	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	•	30
ULTIMA Tegular with AirGuard™ Coating																				
15/16" Beveled Tegular	15	1901	24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30
	15	1904	24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30

** Other sizes are not available for HRC items



MINERAL FIBER



ULTIMA®

Tegular

fine texture

HRC items contain 15% or greater post-consumer recycled ceilings



UP TO 86% RECYCLED CONTENT

EPD AVAILABLE

LEED®



Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability						Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAIC						Water Repel	Wash	Scrub	Impact	Scratch	Soil				
ULTIMA Tegular																				
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1423	6 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1427	6 x 60 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1916	12 x 24 x 3/4"	N/A	N/A	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	NEW 1996	12 x 48 x 3/4"	0.65	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	NEW 1997	12 x 60 x 3/4"	0.65	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	NEW 1998	12 x 72 x 3/4"	0.65	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1912 1912HRC**	24 x 24 x 3/4" 24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High High	•	30
	29, 44, 48, 52, 56, 60	1952	24 x 24 x 3/4"	0.60	40	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	NEW 1895	24 x 24 x 3/4"	0.60	40	Fire Guard	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1915 1915HRC**	24 x 48 x 3/4" 24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High High	•	30
	29, 44, 48, 52, 56, 60	1986	24 x 60 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1982	24 x 72 x 3/4"	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1905	30 x 30 x 3/4"	0.70	35	Class A	0.90	•	Std	•	-	•	-	•	•	•	•	High	•	1
	29, 44, 48, 52, 56, 60	1929	30 x 54 x 3/4"	0.70	35	Class A	0.90	•	Std	•	-	•	-	•	•	•	•	High	•	1
	29, 44, 48, 52, 56, 60	NEW FastSize™	W: 4" - 24" / L: 4" - 72" 3/4" Thick	0.70	35	Class A	0.90	•	•	•	-	•	-	•	•	•	•	High	•	30

** Other sizes not available for HRC items.

MINERAL FIBER

ULTIMA®

Tegular
fine texture

UP TO **77%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



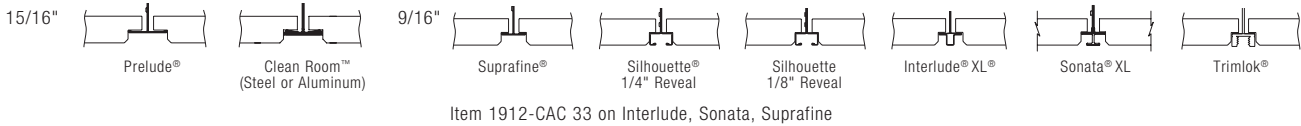
VISUAL SELECTION

PERFORMANCE

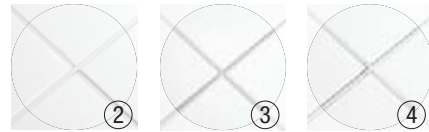
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability						Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Scratch	Soil				
ULTIMA Tegular with AirGuard™ Coating				UL Classified																
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1902	24 x 24 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30
29, 44, 48, 52, 56, 60		1906	24 x 48 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	•	•	•	•	•	•	30
ULTIMA Health Zone™																				
15/16" Beveled Tegular	15, 16	1937	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	•	•	•	•	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1936	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	•	•	•	•	30

SUSPENSION SYSTEMS



NEW **Blizzard White – Suspension System Finish**
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel. Available for:
1. Prelude XL and XL HRC
2. Suprafine ML, XL, and XL HRC
3. Silhouette XL 1/4" and 1/8" Reveal
4. Interlude XL HRC



PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane. 1936, 1937 – Wet-formed mineral fiber with DuraBrite acoustically transparent water-repellent membrane.

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled) Fire Guard™: A fire resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications. (Excludes items 1905 and 1929).

Anti-Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Cleaning Recommendations (Items 1936, 1937 only)
To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:
• Sodium hypochlorite • Hydrogen peroxide
• Quaternary ammonium

Weight: Square Feet/Carton
1905 – 1.05 lbs/SF; 62.5 SF/ctn
1911, 1912, 1914, 1915 – 1.05 lbs/SF; 48 SF/ctn
1916, 1917, 1993, 1996 – 1.05 lbs/SF; 24 SF/ctn
1936, 1937 – 1.08 lbs/SF; 48 SF/ctn
1422, 1423 – 1.08 lbs/SF; 24 SF/ctn
1427 – 1.07 lbs/SF; 24 SF/ctn
1929 – 1.02 lbs/SF; 68 SF/ctn
1951, 1952 – 1.31 lbs/SF; 48 SF/ctn
1901, 1902, 1904, 1906 – 1.08 lbs/SF; 48 SF/ctn
1994, 1997 – 1.05 lbs/SF; 30 SF/ctn
1995, 1998 – 1.05 lbs/SF; 36 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1905M, 1912M, 1912MHRC, 1914M, 1915M, 1916M, 1917M, 1951M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

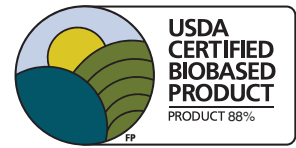
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(search: ultima)
BPCS-3039-414

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ULTIMA® High-NRC

Lay-in & Tegular
fine texture



Ultima High-NRC Beveled Tegular with Suprafine® 9/16" suspension system (Pg. 266)

KEY SELECTION ATTRIBUTES

- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- 88% Biobased content (see page 331)
- Excellent combination of acoustical performance; Articulation Class (170), NRC (0.80), and CAC (35)
- Ceiling–2–Ceiling™ post-consumer recycled content options: item 1942HRC. 53% pre-consumer, 15% post-consumer
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Open plan offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail
- Open plenum areas (in acoustical clouds; e.g., Formations™)



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: ultima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 230.)



1. Ultima High-NRC Lay-in
2. Ultima High-NRC Beveled Tegular
3. Ultima High-NRC with Suprafine 9/16" suspension system
4. Ultima High-NRC with Silhouette® XL 9/16" 1/4" Reveal
5. Ultima High-NRC with Interlude® XL suspension system

COLOR



ULTIMA® High-NRC

Lay-in & Tegular
fine texture

HRC items contain 15%
or greater post-consumer
recycled ceilings



UP TO **68%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials



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*LOCATION DEPENDENT

VISUAL SELECTION

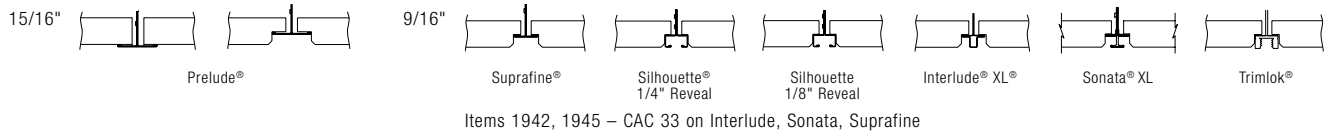
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics			Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Recycled Content*	Recycle Program	Warranty*
				NRC	CAC	AC						Wash	Impact Scratch	Soil			
ULTIMA High-NRC Square Lay-in				UL Classified			BioBlock+	Humi-Guard+	•	•	•	•	•	•	•	•	•
15/16" Square Lay-in	1	NEW 1940	24 x 24 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	1	NEW 1943	24 x 48 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	1	Other Sizes	W: 12" - 24" / L: 24" - 60" 1" Thick	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
ULTIMA High-NRC Beveled Tegular																	
15/16" Beveled Tegular	15	1941	24 x 24 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	15	1944	24 x 48 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	15	Other Sizes	W: 12" - 24" / L: 24" - 60" 1" Thick	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1942	24 x 24 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1942HRC**	24 x 24 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	1945	24 x 48 x 1"	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30
	29, 44, 48, 52, 56, 60	Other Sizes	W: 12" - 24" / L: 24" - 48" 1" Thick	0.80	35	170	Class A	0.87	•	•	•	•	•	•	High	•	30

** Other sizes not available for HRC items.

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carlton
1940, 1941, 1942 – 1.125 lbs/SF; 40 SF/ctn
1942HRC, 1943, 1944, 1945 – 1.125 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1940M, 1943M, 1941M, 1944M, 1942M, 1945M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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BPCS-3570-1213

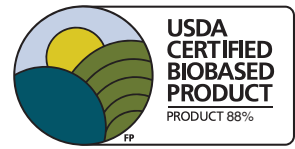
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MINERAL FIBER



ULTIMA®
Vector® and Shiplap
 fine texture



Ultima Vector with Prelude® 15/16" suspension system (Pg. 259)



Ultima Shiplap with Prelude 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Smooth, clean, durable finish – Washable, Scratch-resistant, Soil-resistant
- 1/4" reveal resulting in a monolithic appearance (Vector)
- No reveal (Shiplap)
- Downward accessible for minimal plenum height (Vector)
- Excellent sound absorption
- 88% Biobased content (see page 331)
- Visual coordinates with Optima® for mixed (open/closed plan) applications
- Item 1920 available in Create!™ colors and images, see pages 165-167
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Building renovation (Vector)
- Offices
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Corridors
- Lobbies/reception areas

DETAIL (Other Suspension Systems compatible. Refer to listing on page 232.)



1. Ultima Vector
2. Ultima Shiplap Long Edge/Beveled Tegular Short Edge
3. Ultima Vector with Prelude 15/16" suspension system
4. Ultima Shiplap with Prelude 15/16" suspension system

COLOR



Create! colors available on item 1920. See pages 165-167.

White

ULTIMA®

Vector® and Shiplap

fine texture

UP TO **86%** RECYCLED CONTENT

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



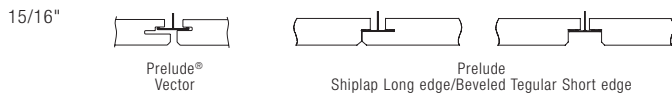
VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty*
				NRC	CAC						Wash	Scratch	Soil				
ULTIMA Vector																	
1/4" Reveal	74	1921	12 x 24 x 3/4"	N/A	N/A	Class A	0.90	•	•	-	•	•	•	High	•	30	
	74	1920	24 x 24 x 3/4"	0.70	33	Class A	0.90	•	•	-	•	•	•	High	•	30	
	74	NEW FastSize™	W: 4" - 24" / L: 4" - 24" 3/4" Thick	0.70	35	Class A	0.90	•	•	-	•	•	•	High	•	30	
ULTIMA Shiplap																	
15/16" SL2 Long/Shiplap Short/Tegular	67	1989	24 x 60 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	High	•	30	
	67	1988	24 x 72 x 3/4"	0.70	35	Class A	0.90	•	•	•	•	•	•	High	•	30	

SUSPENSION SYSTEMS



ACCESSORIES (not included; ordered separately)

Item No.		Pcs per Carton
440A	Vector Border Clip (For all installations)	50
442A	Vector Hold Down Clip (For all installations)	50
7425	24" Stabilizer Bar	100
7445	48" Stabilizer Bar	100
7870	Spring Border Clip (For installations with the panel resting on the wall molding)	1,000

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate	Pcs per Carton
5790	12"	White	Extruded PVC	48
5791	24"	White	Extruded PVC	48
5792	30"	White	Extruded PVC	48
5793	48"	White	Extruded PVC	48

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Sag Resistance
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

Anti Mold/Mildew & Bacteria
BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

VOC Emissions (Shiplap only)
Third party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol (Excludes 1920, 1921.)

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty*
When installed with armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
1920 – 1.08 lbs/SF; 48 SF/ctn
1921 – 1.08 lbs/SF; 24 SF/ctn
1988 – 1.08 lbs/SF; 72.5 SF/ctn
1989 – 1.08 lbs/SF; 80.5 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

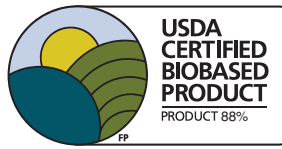




ULTIMA® Health Zone™

Square Lay-in, Tegular

fine texture



UP TO **77%** RECYCLED CONTENT

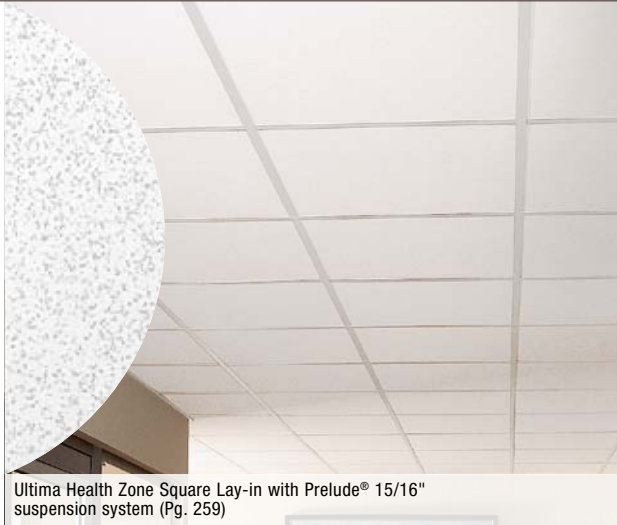
EPD AVAILABLE

LEED®



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*LOCATION DEPENDENT



Ultima Health Zone Square Lay-in with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Class 100) (items 1935 & 1937)
- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Meets USDA/FSIS guidelines for use in food processing areas
- Long-lasting water-repellency; Washable and Scrubbable
- Smooth, clean, durable finish – Impact-, Scratch-, and Soil-resistant; safe for use with disinfectants
- Excellent sound absorption
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

- Clean Rooms (items 1935 & 1937)
Healthcare
- Patient rooms
 - Treatment rooms
 - Nurses' stations
 - Emergency rooms
 - Corridors
 - Lavatories and restrooms
 - Kitchen/food prep areas

COLOR



White

Create! colors available on item 1935. See pages 165-167.

VISUAL SELECTION

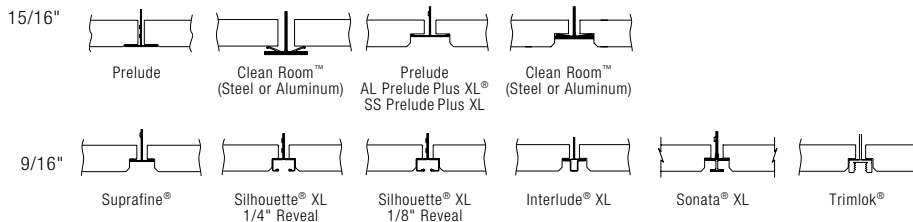
PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC						Water Repel	Wash	Scrub	Impact	Scratch				
ULTIMA Health Zone				UL Classified				BioBlock+	Humi-Guard+							Below 11MJ/SF		Yes	No. of Years
15/16" Square Lay-in	1, 6, 7	1935	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
15/16" Square Lay-in	1, 6, 7	1938**	24 x 48 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
15/16" Beveled Tegular	15, 16	1937	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	
9/16" Beveled Tegular	29, 44, 48, 52, 56, 60	1936	24 x 24 x 3/4"	0.70	35	Class A	0.86	•	•	•	•	•	•	•	•	High	•	30	

** Item does not have painted edges

SUSPENSION SYSTEMS



PHYSICAL DATA

Items 1935, 1938: Refer to Physical Data on page 224.

Items 1936, 1937: Refer to Physical Data on page 228.



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techzone

Techzone® Ceiling System with Optima® Square Tegular 30" x 54" panels and Optima Square Tegular 6" x 60" technical panels on Suprafine® XL® suspension system in White MedStar Franklin Square Medical Center, Baltimore, MD
Wilmot Sanz, Inc., Gaithersburg, MD



INTEGRATED CEILING SYSTEMS



techzone™

product family

TechZone available with Optima, Ultima, MetalWorks and WoodWorks panels

Organized. Simple. Clean.

- Cut the “clutter” – lighting, air diffusers and returns, sprinkler systems, etc. – that busies the ceiling plane. TechZone easily organizes these systems into 4", 6", or 12" wide technical zones.
- A range of compatible fixtures from our partner companies have been prequalified for fit and finish.
- The result – a clean, monolithic look using standard ceiling panels and suspension systems.

1 Optima 4' x 4' Tegular field panels, Optima Lay-in TechZone panels on Suprafine® XL® 9/16" suspension system.
Greenway Group, Atlanta, GA

2 TechZone with Optima 4' x 4' panels and MetalWorks 6" x 48" technical panels on Suprafine XL 9/16" suspension system.
American Society of Clinical Oncology, Alexandria, VA



TECHZONE™ Ceiling Systems

Easy Steps to Designing Your TechZone Ceiling



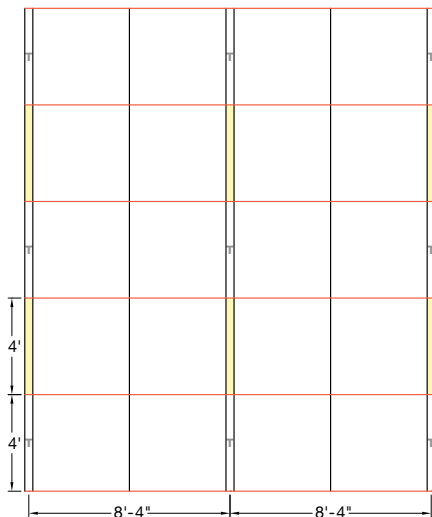
TechZone Ceiling System with Optima® 48" x 48" field panels and 6" x 48" technical panels

1. CHOOSE YOUR LAYOUT

Layouts are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrong.com/techzone

Layout Number

- 6 Ceiling Module 4'
On-Center Spacing 8'-4"
Field Panel 48" x 48"



KEY: Main Runners Cross Tees Lights (Suggested location)

2. CHOOSE YOUR FIELD PANELS*

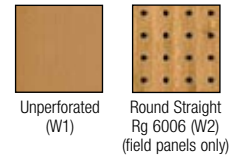
WOODWORKS®

Natural Variations™
(Real Wood Veneers)

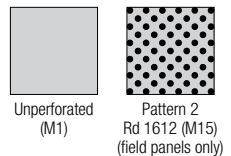
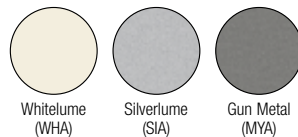


Bamboo
(Rapidly Renewable)

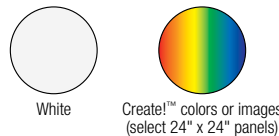
Perforation Options
(1:2 scale shown)



METALWORKS™



OPTIMA® OR ULTIMA®



* Including finish, and perforation if applicable for your selected layout

TECHZONE™ Ceiling Systems

Easy Steps to Designing Your TechZone Ceiling

CEILING PANEL OPTIONS

Warm wood, cool metal, bright white – the choice is yours.

OPTIMA® or ULTIMA®

- Non-directional DuraBrite® surface for:
 - Excellent durability
 - Superior light reflectance to enhance daylighting and save energy
- Outstanding acoustical performance:
 - Reduces noise reverberation
 - Enhances speech privacy in open plan environments
 - 0.70 NRC Ultima
 - 0.90+ NRC Optima

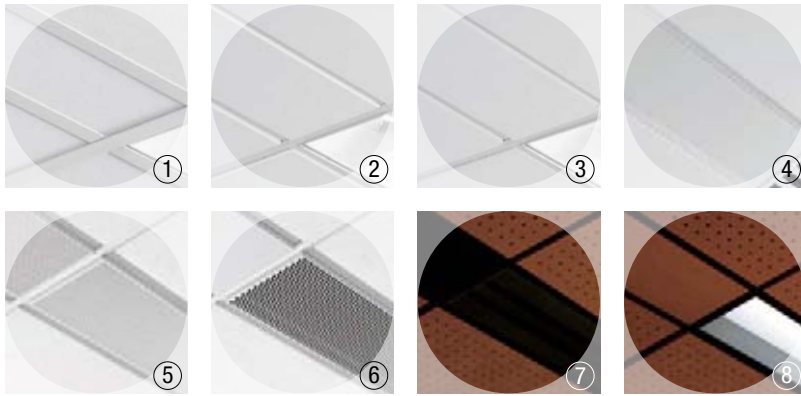
WOODWORKS®

- Warm, rich FSC®-certified wood in 5 standard finishes
- BioAcoustic™ infill panels enhance acoustics
- 0.40 NRC with W2 perforation and infill panel

METALWORKS™

- Three standard finishes for field and technical panels
- Fleece-backed perforated panels provide outstanding acoustics
 - 0.70 NRC standard
 - 0.90 NRC with infill panel
- Exceptionally durable
 - Washable
 - Scrubbable
 - Soil-resistant

EDGE DETAILS



1. Ultima and Optima Square Lay-in
2. Ultima Beveled Tegular
3. Optima Square Tegular
4. MetalWorks Unperforated Square Lay-in or Square Tegular
5. MetalWorks Microperforated Square Tegular
6. MetalWorks Air Return Perforated Square Lay-in or Square Tegular
7. MetalWorks Color Square Tegular
8. WoodWorks Square Tegular

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.




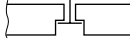
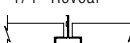


Description	Acoustics			Fire Rating	Light Reflect (White Only)	Sag Resist (Humi-Guard+)	Durability					Recycled Content	Recycle Program	Warranty (No. of Years)
	NRC	CAC	AC				Wash	Scrub	Impact	Scratch	Soil			
Optima 1" thick panels	0.95 •	N/A 26**	190	Class A	0.90 •	•	•	–	•	•	•	71%	•	30
Optima 3/4" thick panels	0.90 •	N/A	180	Class A	0.90 •	•	•	–	•	•	•	71%	•	30
Ultima	0.70 •	35	N/A	Class A	0.90 •	•	•	–	•	•	•	Up to 80%	•	30
Ultima (items 1905, 1929)	0.70 •	35	N/A	Class A	0.90 •	Std	•	–	•	•	•	Up to 80%	•	1
WoodWorks Unperforated	N/A	38 •	N/A	Class A	N/A	Std	–	–	–	–	–	92%	–	1
WoodWorks W2 Perforated with infill panel	0.40	28	N/A	Class A	N/A	Std	–	–	–	–	–	92%	–	1
MetalWorks Unperforated	0.40	28	N/A	Class A	0.89 •	•	•	•	•	–	•	25%	–	1
MetalWorks M15 Perforated	0.70 •	38†	N/A	Class A	0.77	•	•	•	•	–	•	25%	–	1
MetalWorks M15 Perforated with infill panel	0.90 •	N/A	N/A	Class A	0.77	•	•	•	•	–	•	25%	–	1

† With Item #747 mineral fiber backing

** With CAC backing

TECHZONE™ Ceiling Systems


FIELD PANELS

Suspension Dimension	Edge Profile	Dimensions	Optima®	Ultima®	WoodWorks® Unperforated*	WoodWorks Perforated*	MetalWorks™ Unperforated*	MetalWorks Perforated*
15/16"	Prelude® XL® Square Lay-In 	20" x 60"	3156 [†]					
		24" x 24"	3152 [†] /3152PB/ 3150 ^{**} /3150PB ^{**}	1910 [†] + Create!				
		24" x 48"	3153 [†] /3153PB/ 3151 ^{**} /3151PB ^{**}	1913 [†]				
		24" x 60"	3164	1984				
		24" x 72"	3161 ^{**†}	1980 [†]				
		24" x 96"	3162 ^{**†}					
		30" x 30"	3158 [†]	1905 [†]				
		30" x 60"	3157 [†]					
		48" x 48"	3160 [†] /3160PB					
		48" x 96"	3154					
15/16"	Prelude XL Square Tegular 	20" x 60"	3278 [†]					
		24" x 24"	3250 [†] /3250PB					
		24" x 48"	3252 [†] /3252PB					
		24" x 72"	3281 [†]					
		24" x 96"	3282 [†]					
		30" x 30"	3258 [†]					
		30" x 60"	3286 [†]					
48" x 48"	3255 [†] /3255PB							
15/16"	Prelude XL Beveled Tegular 	24" x 24"		1911 [†]				
		24" x 48"		1914 [†]				
		24" x 60"		1985				
		24" x 72"		1981 [†]				
9/16"	Suprafine® XL Square Tegular 	12" x 48"	3290		6484W1 _ _ _	6484W2 _ _ _	6643M1 _ _ _	6643M15 _ _ _
		20" x 54"	3276 [†]					
		20" x 56"	3266 [†]					
		20" x 60"	3277 [†]					
		21" x 24"	3279 [†]					
	Silhouette® XL Square Tegular 1/4" Reveal 	24" x 24"	3251 [†] /3251PB		5406W1 _ _ _	5406W2 _ _ _	6641M1 _ _ _	6641M15 _ _ _
		24" x 42"	3280 [†]		6510W1 _ _ _	6510W2 _ _ _	6644M1 _ _ _	6644M15 _ _ _
		24" x 48"	3257 [†] /3257PB		6486W1 _ _ _	6486W2 _ _ _	6642M1 _ _ _	6642M15 _ _ _
		24" x 60"	3265/3265PB					
		24" x 72"	3261/3261PB					
	Interlude® XL Square Tegular 	24" x 96"	3262/3262PB					
		27" x 30"	3283 [†]		6512W1 _ _ _	6512W2 _ _ _	6645M1 _ _ _	6645M15 _ _ _
		28" x 30"	3268 [†]					
		28" x 60"	3269 [†]					
		30" x 30"	3259 [†]		6511W1 _ _ _	6511W2 _ _ _	6646M1 _ _ _	6646M15 _ _ _
		30" x 54"	3284 [†]					
		30" x 56"	3289 [†]					
		30" x 60"	3285 [†]					
		42" x 48"	3287 [†]					
		44" x 48"	3288 [†]					
48" x 48"	3256 [†] /3256PB							
48" x 54"	3249 [†]							
9/16"	Suprafine XL Beveled Tegular 	12" x 48"		1996				
		24" x 24"		1912 [†] + Create!				
		24" x 48"		1915 [†]				
		24" x 60"		1986				
		24" x 72"		1982 [†]				
		30" x 30"		1905 [†]				
30" x 54"		1929						

TECHZONE CEILING SYSTEMS

* Add 3-letter color suffix to item number when specifying or ordering (e.g. 6484W1 **N M P**) WoodWorks Field Panel Color Choices: Beech (NBE), Maple (NMP), Light Cherry (NLC), Dark Cherry (NDC), Bamboo Patina (BAP); MetalWorks Field Panel Color Choices: Whitelume (WHA), Silverlume (SIA), Gun Metal (MYA)

** These panels are 3/4" thick.

† Environmental Product Declaration 

TECHZONE™ Ceiling Systems

3. CHOOSE YOUR TECHNICAL PANELS*

WOODWORKS®

Natural Variations™
(Real Wood Veneers)

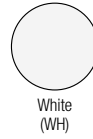


Bamboo
(Rapidly Renewable)

Perforation Options

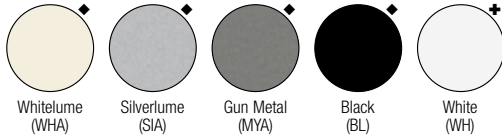


OPTIMA® OR ULTIMA®



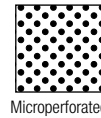
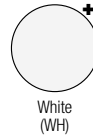
METALWORKS™

◆ Pre-coated Aluminum + Powder-coated Steel



PERFORATED METALWORKS

Perforation Options (Scale 1:2)



* Including finish, and perforation if applicable for your selected layout

TECHNICAL PANELS

Suspension Dimension	Edge Profile	Dimensions	Optima®		White Unperforated Metal	White Micro-Perforated Metal	White Air Return Perforated Metal	WoodWorks® Unperforated*	MetalWorks™ Unperforated*
			Ultima®						
15/16"	Prelude® XL® Square Lay-In	6" x 48"	1400†	1420	1650	1610	1640		
		6" x 60"	1404†		1651	1611	1641		
15/16"	Prelude XL Square Tegular	6" x 48"	1402†		1654	1614	1644		
		6" x 60"	1406†		1655	1615	1645		
		12" x 24"	3264						
15/16"	Prelude XL Beveled Tegular	6" x 48"		1422					
		12" x 24"		1917					
9/16"	Prelude XL Square Lay-In	6" x 48"	1401†	1420	1652	1612	1642		
		6" x 60"	1405†	1425	1653	1613	1643		
9/16"	Suprafine® XL Square Tegular	4" x 48"	1410						
		4" x 60"	1411						
		6" x 6"	1412					6519W1 _ _ _	6647M1 _ _ _
		6" x 12"	1413†						6648M1 _ _ _
		6" x 42"	1415†						
		6" x 48"	1403†		1656	1616	1646	6513W1 _ _ _	6649M1 _ _ _
		6" x 54"	1417†						
		6" x 60"	1407†		1657	1617	1647	6514W1 _ _ _	6650M1 _ _ _
		6" x 96"	1409						
		12" x 24"	3261						
9/16"	Suprafine XL Beveled Tegular	6" x 48"		1423					
		6" x 60"		1427					
		12" x 24"		1916					

* Add 3-letter color suffix to item number when specifying or ordering (e.g. 6519W1 N M P) WoodWorks Technical Panel Color Choices: Beech (NBE), Maple (NMP), Light Cherry (NLC), Dark Cherry (NDC), Bamboo Patina (BAP); MetalWorks Technical Panel Color Choices: Whitelume (WHA), Silverlume (SIA), Gun Metal (MYA), White (WH), and Black (BL)

TECHZONE™ Ceiling Systems

4. CHOOSE A COMPATIBLE SUSPENSION SYSTEM

Item No.	Description
Prelude XL - 15/16"	
7300	144" ID Prelude XL Main Beam
7301	144" HD Prelude XL Main Beam
7306	132" HD Prelude XL Main Beam
XL7328	24" Prelude XL Cross Tee
XL7378	30" Prelude XL Cross Tee
XL7340	48" Prelude XL ID Cross Tee
XL7341	48" Prelude XL HD Cross Tee
XL7358	60" Prelude XL Cross Tee
XL7390	72" Prelude XL Cross Tee
XL7380	96" Prelude XL Cross Tee



PRELUDE®
15/16" Square Lay-in



PRELUDE
15/16" Beveled Tegular



PRELUDE
15/16" Square Tegular

Item No.	Description
Suprafine XL - 9/16"	
7500	144" ID Suprafine XL Main Beam
7501	144" HD Suprafine XL Main Beam
7504	120" HD Suprafine XL Main Beam
7505	100" HD Suprafine XL Main Beam
7507	144" HD Suprafine XL Main Beam
7508	132" HD Suprafine XL Main Beam
7512	120" HD Suprafine XL Main Beam
7588	88" Suprafine XL HD Main Beam
XL7506	6" Suprafine XL Cross Tee
XL7510	12" Suprafine XL Cross Tee
XL7561	21" Suprafine XL Cross Tee
XL7520	24" Suprafine XL Cross Tee
XL7567	27" Suprafine XL Cross Tee
XL7528	28" Suprafine XL Cross Tee
XL7570	30" Suprafine XL Cross Tee
XL7562	42" Suprafine XL Cross Tee
XL7540	48" Suprafine XL ID Cross Tee
XL7549	48" Suprafine XL HD Cross Tee
XL7564	54" Suprafine XL Cross Tee
XL7556	56" Suprafine XL Cross Tee
XL7558	60" Suprafine XL Cross Tee
XL7568	66" Suprafine XL Cross Tee
XL7590	72" Suprafine XL Cross Tee
XL7580	96" Suprafine XL Cross Tee



SUPRAFINE XL
9/16" Square Lay-in

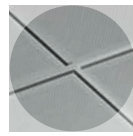


SUPRAFINE® XL®
9/16" Beveled Tegular



SUPRAFINE XL
9/16" Square Tegular

Suprafine XL - Colors - 9/16"♦	
TZ7501 _ _	120" HD Suprafine Main Beam
TZ7504 _ _	144" HD Suprafine Main Beam*
TZXL7506 _ _	6" Suprafine XL Cross Tee
TZXL7510 _ _	12" Suprafine XL Cross Tee
TZXL7520 _ _	24" Suprafine XL Cross Tee
TZXL7567 _ _	27" Suprafine XL Cross Tee
TZXL7570 _ _	30" Suprafine XL Cross Tee
TZXL7562 _ _	42" Suprafine XL Cross Tee
TZXL7541 _ _	48" Suprafine XL Cross Tee
TZXL7564 _ _	54" Suprafine XL Cross Tee
TZXL7556 _ _	56" Suprafine XL Cross Tee
TZXL7558 _ _	60" Suprafine XL Cross Tee
TZXL7568 _ _	66" Suprafine XL Cross Tee



SUPRAFINE XL
9/16" Metal
Square Tegular

Item No.	Description
Interlude XL - 9/16"	
6100	144" ID Interlude XL Main Beam
6101	144" HD Interlude XL Main Beam
6121	144" ID Interlude XL Main Beam
6121A	144" HD Interlude XL Main Beam
6122	120" HD Interlude XL Main Beam
6123	88" HD Interlude XL Main Beam
6127	120" HD Interlude XL Main Beam
6132	132" HD Interlude XL Main Beam
6187	100" HD Interlude XL Main Beam
XL6106	6" Interlude XL Cross Tee
XL6110	12" Interlude XL Cross Tee
XL6161	21" Interlude XL Cross Tee
XL6120	24" Interlude XL Cross Tee
XL6167	27" Interlude XL Cross Tee
XL6128	28" Interlude XL Cross Tee
XL6170	30" Interlude XL Cross Tee
XL6162	42" Interlude XL Cross Tee
XL6140	48" Interlude XL Cross Tee
XL6164	54" Interlude XL Cross Tee
XL6156	56" Interlude XL Cross Tee
XL6150	60" Interlude XL Cross Tee
XL6168	66" Interlude XL Cross Tee
XL6190	72" Interlude XL Cross Tee
XL6180	96" Interlude XL Cross Tee



INTERLUDE® XL
9/16" Beveled Tegular



INTERLUDE XL
9/16" Square Tegular

Item No.	Description
Silhouette XL - 9/16"	
7611	144" HD Silhouette XL Main Beam
7613	108" HD Silhouette XL Main Beam
7619	78" Silhouette XL Main Beam
7621	132" HD Silhouette XL Main Beam
7622	102" HD Silhouette XL Main Beam
7626	120" HD Silhouette XL Main Beam
7637	96" HD Silhouette XL Main Beam
7638	126" HD Silhouette XL Main Beam
7639	126" HD Silhouette XL Main Beam
XL7621	21" Silhouette XL Cross Tee
XL7620	27" Silhouette XL Cross Tee
XL7652	27" Silhouette XL Cross Tee
XL7670	30" Silhouette XL Cross Tee
XL7640	48" Silhouette XL Cross Tee
XL7645	48" Silhouette XL Cross Tee – center notched both sides
XL7646	48" Silhouette XL Cross Tee – center notched one side
XL7652	54" Silhouette XL Cross Tee
XL7651	60" Silhouette XL Cross Tee – notched one side at 20" and 40"
XL7654	60" Silhouette XL Cross Tee – notched both sides at 20" and 40"
XL7655	60" Silhouette XL Cross Tee – center notched both sides
XL7656	60" Silhouette XL Cross Tee – center notched one side
XL7690	72" Silhouette XL Cross Tee
XL7680	96" Silhouette XL Cross Tee



SILHOUETTE® XL
9/16" Beveled Tegular
(1/8" reveal)



SILHOUETTE XL
9/16" Square Tegular
(1/4" reveal)

Accessories	
TXYK	TechZone Yoke
TZBC	TechZone Bracing Clip
STAC	Single Tee Attachment Clip
XTAC	Cross Tee Attachment Clip
AXTBC	Axiom T-Bar Connector Clip
7891	12 Gauge Hanger Wire

♦ Add 2-letter color suffix to item number when specifying or ordering (e.g. 7500 M Y)

MY = Gun Metal
SG = Silver Grey
BL = Black
If no color is indicated, item is White

* Routes 6" OC

TECHZONE™ Ceiling Systems

5. CHOOSE YOUR PERIMETER TREATMENT, MOLDINGS AND ACCESSORIES

- a. Wall to Wall installations
- b. Cloud/Floating installations
- c. Elevation or material transitions in the ceiling plane

SELECT PERIMETER ANGLE AT WALL

<input type="checkbox"/> Tegular and Lay-in Seismic Shadow 7877 & BERC2 	<input type="checkbox"/> Tegular and Lay-in Seismic 7800 & BERC2
<input type="checkbox"/> Tegular and Lay-in Shadow 7873 	<input type="checkbox"/> Tegular and Lay-in 7804

SELECT PERIMETER TRIM AT FLOATING EDGE

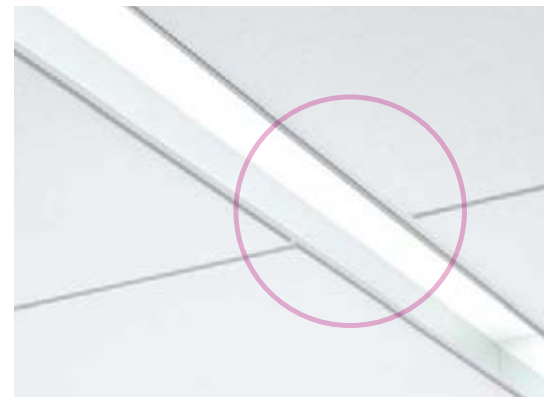
<input type="checkbox"/> Axiom® – Classic – straight or curved 	<input type="checkbox"/> WoodWorks® Trim (with aluminum substrate) – straight or curved
--	---

SELECT TRANSITION COMPONENTS

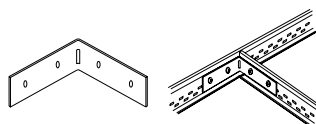
 Axiom Transitions Acoustical Ceiling to Drywall Elevation Changes <input type="checkbox"/> Curved AXTRXCUR <input type="checkbox"/> Straight AXTRXSTR	 Axiom Transitions Acoustical Ceiling to Acoustical Ceiling Elevation Changes <input type="checkbox"/> Curved AXTRXCUR <input type="checkbox"/> Straight AXTRXSTR
 Axiom Transitions Acoustical Ceiling to Drywall in Same Plane <input type="checkbox"/> Curved AXTRTECUR <input type="checkbox"/> Straight AXTRTESTR	 Axiom Dimensional TechZone <input type="checkbox"/> Straight AXP3552

TECHZONE YOKE ALLOWS TRUE CONTINUOUS LIGHT

- Create a sleek ceiling design with uninterrupted ribbons of light
- Alternate continuous lights and diffusers with other services for a monolithic, uncluttered visual
- Easy installation
- Seismic tested



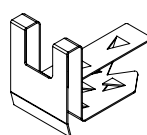
CROSS TEE ADAPTER CLIP



Cross Tee Adapter Clip (XTAC)
 Used to attach field-cut cross tees to main beams.

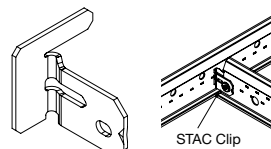


STABILIZER CLIP



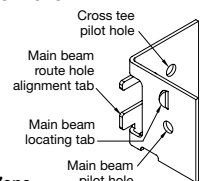
Stabilizer Clip, Item 435, for Optima®
 Recommended for panels 5' and greater in length. Ordered separately.
 Note: Panels 5' up to 8' – One clip installed near the midpoint of each long edge. Panels 8' – Two clips installed at one-third points of each long edge.

STAC CLIP



STAC Clip (STAC)
 Single tee attachment clip for creating playful designs with off module lighting. Seismic tested.

BRACING CLIP



TechZone Bracing Clip (TZBC)
 Use to connect cross tees to the main beam of the continuous technical zone when no yoke is present.

suprafine xl

Optima® Tegular 24" x 24" panels and Optima Vector® 24" x 96" Plank on Suprafine® XL® and Prelude® XL 15/16" suspension system; Axiom Classic 6" trim
Little Diversified Architectural Consulting, Charlotte, NC



SUSPENSION SYSTEMS

SUSPENSION SYSTEMS, TRIM & DRYWALL GRID

System Selector

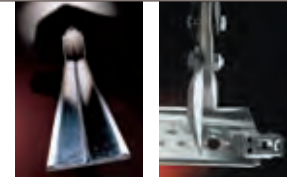
Product information listed in this chart pertains to general product families, and may not apply to each product item. Before specifying or purchasing products, consult product details on our web site: www.armstrong.com/ceilings or call TechLine at 1 877 ARMSTRONG.

Improved suspension systems that perform better, carry increased ceiling load, and reduce installation hassles are the result of innovative features like PeakForm® and SuperLock™2. PeakForm main beams and cross tees are manufactured with a patented bulb shape and taller profile to create a stronger, more stable suspension system that will get the job done better. Main beams have an improved load-carrying capacity that exceeds ASTM standards for intermediate and heavy-duty load performance. PeakForm also meets the requirements for installation in all seismic categories, so you can specify it anywhere a 9/16" or 15/16" heavy-duty suspension system is desired.

Main beams also feature SuperLock² – a staked-on clip for a tighter, more secure bulb-to-bulb connection. Main beams with the SuperLock clip can be disconnected and reconnected laterally in low-clearance areas or in the middle of a room.



Wherever you see the PeakForm icon, you can get the benefits of the PeakForm profile.



PeakForm

armstrong.com/peakform

SUSPENSION SYSTEMS GENERAL APPLICATIONS

INTERLUDE® XL HRC 9/16"	(Pg. 254)
PRELUDE® Concealed 15/16"	(Pg. 255)
PRELUDE ML 15/16"	(Pg. 256)
PRELUDE XL 15/16"	(Pgs. 259-260)
PRELUDE XL Fire Guard™ 15/16"	(Pgs. 259-260)
PRELUDE XL HRC 15/16"	(Pgs. 259-260)
SILHOUETTE® XL 9/16"	(Pgs. 261-262)
SONATA® 9/16"	(Pg. 265)
SUPRAFINE® ML 9/16"	(Pg. 267)
SUPRAFINE XL 9/16"	(Pg. 267)
SUPRAFINE XL Fire Guard 9/16"	(Pg. 267)
SUPRAFINE XL HRC 9/16"	(Pg. 268)
TRIMLOK® 9/16"	(Pg. 266)

SUSPENSION SYSTEMS SPECIAL APPLICATIONS

CLEAN ROOM™ Co-Extruded Aluminum 15/16", 1-1/2"	(Pg. 247)
CLEAN ROOM Co-Extruded Steel 15/16"	(Pg. 247)
PRELUDE PLUS XL Aluminum 15/16"	(Pg. 257)
PRELUDE PLUS XL Fire Guard 15/16"	(Pg. 258)
PRELUDE PLUS XL Stainless Steel 15/16"	(Pg. 257)
PRELUDE XL for Exterior Applications 15/16"	(Pg. 258)
SINGLESPAN™ Acoustical Corridor Suspension System	(Pgs. 263-264)
360° PAINTED Grid Suspension System	(Pgs. 53-54)

AXIOM TRIM

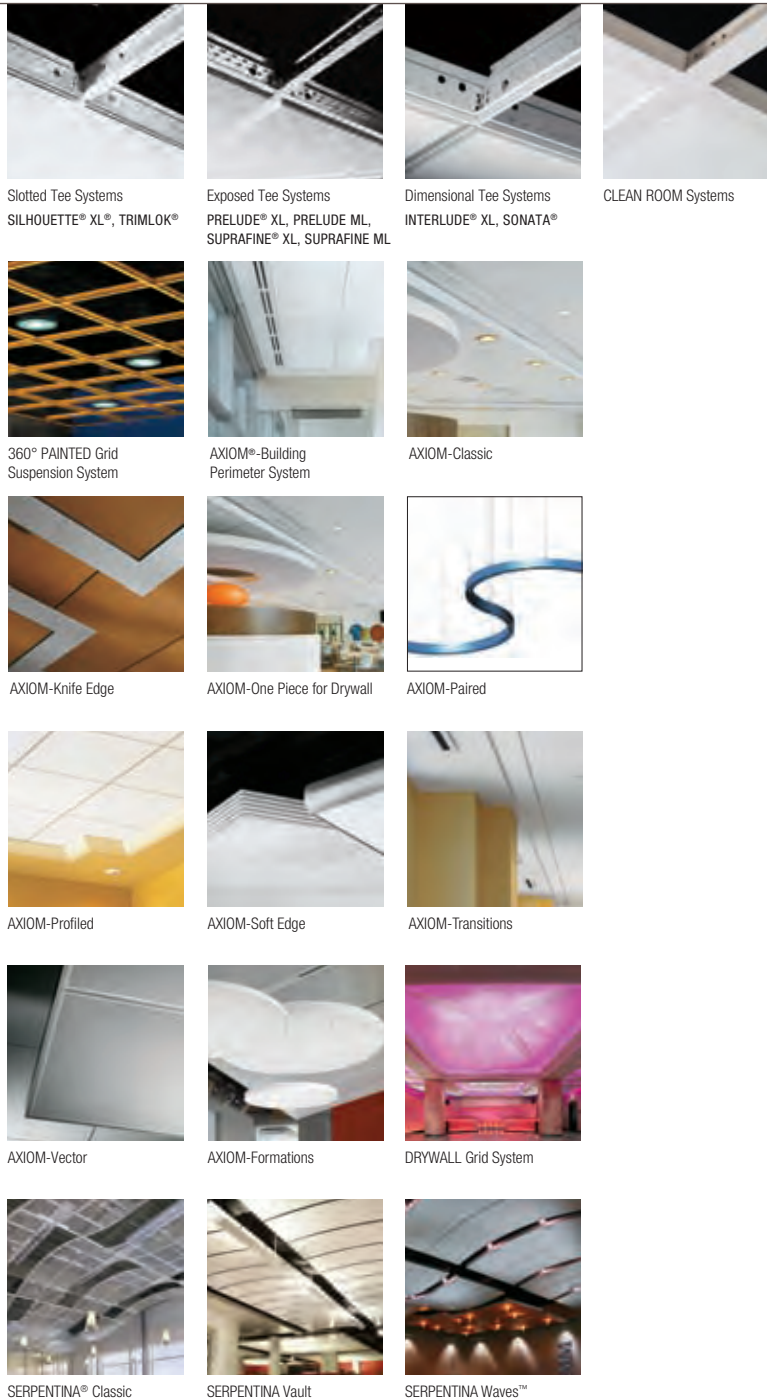
– Building Perimeter System	(Pgs. 281-286)
– Classic	(Pg. 287)
– Interlude	(Pg. 288)
– Knife Edge®	(Pg. 289)
– One Piece for Drywall	(Pg. 290)
– Paired	(Pg. 291)
– Profiled	(Pg. 292)
– Soft Edge	(Pg. 293)
– Transitions	(Pg. 294)
– Vector®	(Pg. 295)
– Vector & Knife Edge for Formations™	(Pg. 296)

DRYWALL SYSTEMS

DRYWALL Grid Systems – Flat	(Pg. 300)
DRYWALL Grid Systems – Curved	(Pg. 301)
QUIKSTIX™ Ceilings	(Pgs. 303-304)
QUIKSTIX Soffits	(Pg. 305)
QUIKSTIX Walls	(Pg. 305)
SHORTSPAN® Drywall Framing System	(Pg. 302)

SERPENTINA® CEILING SYSTEMS

SERPENTINA Classic	(Pgs. 41-42)
SERPENTINA Vault	(Pgs. 43-44)
SERPENTINA Waves™	(Pgs. 45-48)



Slotted Tee Systems
SILHOUETTE® XL®, TRIMLOK®

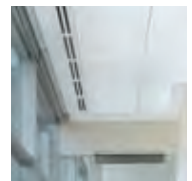
Exposed Tee Systems
PRELUDE® XL, PRELUDE ML,
SUPRAFINE® XL, SUPRAFINE ML

Dimensional Tee Systems
INTERLUDE® XL, SONATA®

CLEAN ROOM Systems



360° PAINTED Grid
Suspension System



AXIOM®-Building
Perimeter System



AXIOM®-Classic



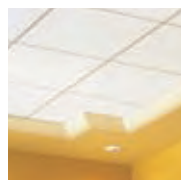
AXIOM®-Knife Edge



AXIOM®-One Piece for Drywall



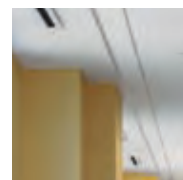
AXIOM®-Paired



AXIOM®-Profiled



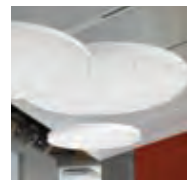
AXIOM®-Soft Edge



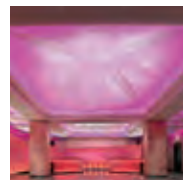
AXIOM®-Transitions



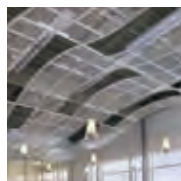
AXIOM®-Vector



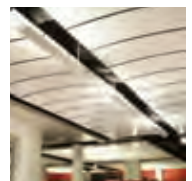
AXIOM®-Formations



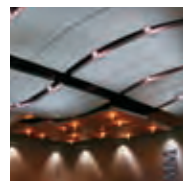
DRYWALL Grid System



SERPENTINA® Classic



SERPENTINA® Vault



SERPENTINA® Waves™

SUSPENSION SYSTEMS


At-a-Glance

FastSize™ Suspension Systems The sizes you need... factory finished... one carton minimums... shipped fast! Available in Prelude XL, Prelude ML, and Suprafine XL. See "Item No." column on product pages for size availability. (Prelude ML Exterior and Suprafine ML excluded.)

ICON KEY


Icons are used throughout the catalog to help you quickly identify key product attributes.

Fire Resistance


 Available in fire-resistive options (Fire Guard™); tested in specific UL floor/ceiling or roof/ceiling construction design assemblies.

Humidity/Corrosion Resistance

HumiGuard® Plus

 Recommended for areas subject to high humidity, up to standing water.

HumiGuard Max

 Maximum humidity resistance.

Chemical/Corrosion Resistance



Seismic Rx® Suspension System

 Category D, E & F

Color Availability

 Available in color.

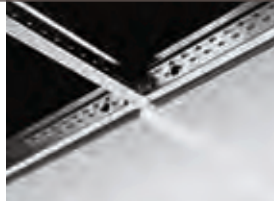
PeakForm®

 Peaked roof top bulb increases strength for improved performance.



Concealed Suspension System
PRELUDE®

 
pgs. 255



Exposed Tee Suspension Systems
PRELUDE XL®, PRELUDE ML, SUPRAFINE® XL, SUPRAFINE ML, PRELUDE XL HRC & SUPRAFINE XL HRC

    
pgs. 259, 256, 267, 260, 268



Dimensional Tee Suspension Systems
INTERLUDE® XL, SONATA®


pgs. 254, 265



Slotted Tee Suspension Systems
SILHOUETTE®, TRIMLOK®

  
pgs. 261-262, 266



Environmental Tee Suspension Systems
PRELUDE PLUS XL Aluminum, PRELUDE PLUS XL Stainless Steel, PRELUDE PLUS XL Fire Guard PRELUDE XL for Exterior Applications

    
pgs. 257, 258



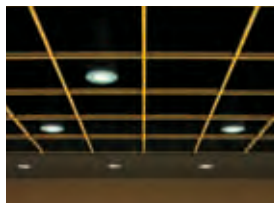
CLEAN ROOM™ Suspension Systems

 
pg. 247



SINGLESPAN™ Acoustical Corridor Suspension System

  
pgs. 263-264



360° PAINTED Grid System
(see Canopies & Clouds)

  
pgs. 53-54

COLOR SELECTION

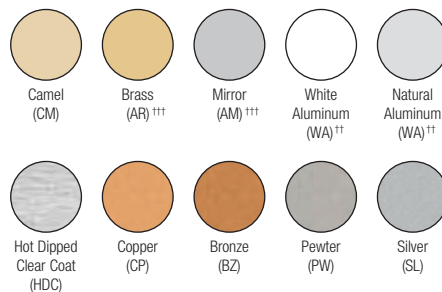
Due to printing limitations, shade may vary from actual product.

NOTE: Suspension system colors to coordinate with MetalWorks™ Tin, Tincraft™ Faux Finishes, and custom-painted panels are "S" Service items and available upon request.

Standard



Premium



Wood Looks



†† Capping only

††† Peel-off protective film on exposed surfaces to protect from scuffing or marking during installation

SEISMIC PERFORMANCE

This icon identifies
Armstrong Seismic Rx
Suspension System



ARMSTRONG SEISMIC RX® SUSPENSION SYSTEM SAVES TIME AND MONEY

Armstrong offers an ICC-ES evaluated approach to installations (ESR-1308). The **Armstrong Seismic Rx Suspension System** offers a labor and cost-saving method of meeting seismic code without risk of delaying your construction schedule.

IBC Category C:

- Easier to square the system by attaching to adjoining walls
- Tighter, more secure installation
- Eliminate stabilizer bars



IBC Category D, E, F:

- Reduce material costs by using 7/8" molding
- Eliminate stabilizer bars
- Eliminate undesired visual 2" wall molding

ICC-ES Recognizes the Armstrong Seismic Rx Suspension System as a Code Compliant Solution.

The independent and expert evaluation and confirmation by ICC-ES provides the code official with proven evidence supporting the Armstrong Seismic Rx Suspension System as a code compliant alternative design to current IBC requirements.

The performance of the **Armstrong Seismic Rx Suspension System** is based on a specific combination of Armstrong components and method of installation. **Other manufacturers' components and installation methods were not tested and are not covered in this evaluation. Substitution of other components puts the system at risk and is not allowed by this ESR report.**

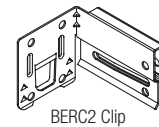
CATEGORY INSTALLATION REQUIREMENTS

- A, B** Ceiling installation should conform to basic minimums established in ASTM C636.
- C** To be installed to ASTM E580 recommendations for areas subject to light to moderate seismic activity.
- D, E, F** Category D, E, and F are to be installed to ASTM E580 and IBC recommendations for areas subject to severe seismic activity.
See armstrong.com/seismic for more on seismic performance.

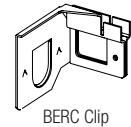
ALTERNATIVE INSTALLATION – CATEGORY C

IBC Requirements	Armstrong Seismic Rx Solution	Solution Benefits
<ul style="list-style-type: none"> • Minimum 2" wall molding 	<ul style="list-style-type: none"> • Minimum 7/8" wall molding 	<ul style="list-style-type: none"> • Meets code requirements
<ul style="list-style-type: none"> • Suspension system must not be attached to the wall molding 	<ul style="list-style-type: none"> • Suspension system may be cut tight and screw attached on two adjoining walls 	<ul style="list-style-type: none"> • Easy to square up the system • Faster, tighter suspension system installation
<ul style="list-style-type: none"> • Minimum 3/8" clearance on all sides • Minimum 3/8" overlap of suspension system on the wall molding 	<ul style="list-style-type: none"> • Minimum 3/8" clearance on two unattached walls 	<ul style="list-style-type: none"> • Better overall visual
<ul style="list-style-type: none"> • Ends of main beams and cross tees must be tied together to prevent spreading 	<ul style="list-style-type: none"> • BERC2 or BERC on all main beams 	<ul style="list-style-type: none"> • Eliminates stabilizer bars • Lower cost solution • Better access to the plenum
<ul style="list-style-type: none"> • Perimeter wires are not needed • Intermediate-duty suspension system 	<ul style="list-style-type: none"> • Perimeter wires are not needed • Intermediate-duty suspension system 	<ul style="list-style-type: none"> • Meets code requirements

NOTE: Requirements for essential use facilities may be different. Contact TechLine for details.



BERC2 Clip

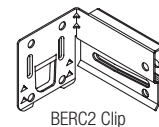


BERC Clip

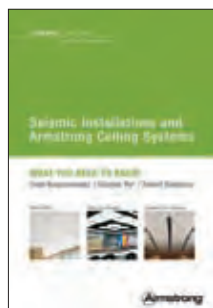
ALTERNATIVE INSTALLATION – CATEGORY D, E, F

IBC Requirements	Armstrong Seismic Rx Solution	Solution Benefits
<ul style="list-style-type: none"> • Minimum 2" wall molding 	<ul style="list-style-type: none"> • Minimum 7/8" wall molding 	<ul style="list-style-type: none"> • Meets code requirements
<ul style="list-style-type: none"> • Suspension system must be attached to two adjacent walls (Pop rivets acceptable) 	<ul style="list-style-type: none"> • Suspension system must be attached on install with screw in slot on two adjacent walls – opposite walls require BERC2 with 3/4" clearance (Eliminates the need for pop rivets through the visible part of the wall molding)¹ 	<ul style="list-style-type: none"> • Eliminates installation and aesthetic problems associated with 2" wall molding
<ul style="list-style-type: none"> • Opposite walls must have a 3/4" clearance 	<ul style="list-style-type: none"> • BERC2 clip with 3/4" clearance on unattached ends 	<ul style="list-style-type: none"> • BERC2 eliminates visible pop rivets through the wall angle
<ul style="list-style-type: none"> • Stabilizer bars to prevent the spread of main beams and cross tees • Perimeter support wires 	<ul style="list-style-type: none"> • BERC2 maintains main beam and cross tee spacing; no other components required¹ • Perimeter wires are required 	<ul style="list-style-type: none"> • Eliminates stabilizer bars • Lower cost solution • Better access to the plenum
<ul style="list-style-type: none"> • Heavy-duty suspension system 	<ul style="list-style-type: none"> • Heavy-duty systems as identified in ICC-ESR-1308 (refer to Suspension Systems) 	<ul style="list-style-type: none"> • Meets code requirement

¹Pop rivets optional on attached walls



BERC2 Clip



For more information on seismic installations, see pages 345-346.

BPCS-4141 Seismic Installations and Armstrong Ceiling Systems

360° PAINTED GRID

Suspension System



360° Painted Grid System RAL 1033 with Axiom Classic Perimeter Trim



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: 360 painted

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 2.0 mil thick powder coating on all components



- Choice of more than 180 colors; matte and gloss finishes
- Helps to define space in an open/exposed plenum concept
- Provides a structure to hang signage or lights, and creates transitions for speakers and HVAC
- 10-year limited warranty
- XL^{®2} staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate


TYPICAL APPLICATIONS

- Retail
- Hospitality
- Theatres

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions	Hanger Spacing*		Fire Guard™	Seismic Category 	Lin. Ft./ Ctn.
				Lbs./Lin. Ft.				
360° Painted – Powder Coated Paint – (made to order)				4 Ft.	5 Ft.	Dots represent high level of performance.		
9/16"	7501*	12' HD Main Beam	144 x 9/16 x 1-11/16"	16.86	10.62		–	•
15/16"	56418*	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.50	8.73	–	•	240
9/16"	XL7540*	4' Cross Tee	48 x 9/16 x 1-11/16"	10.34	–	–	–	240
15/16"	56421*	4' Cross Tee	48 x 15/16 x 1-11/16"	10.34	–	–	–	240
9/16"	XL7520*	2' Cross Tee	24 x 9/16 x 1-11/16"	51.83	–	–	–	120
15/16"	56419*	2' Cross Tee	24 x 15/16 x 1-11/16"	51.83	–	–	–	120
Molding								
7/8"	7800	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360
360° Painted – Baked Polyester Paint								
15/16"	730136**	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.73	8.73	–	•	240
15/16"	XL734036**	4' Cross Tee	48 x 15/16 x 1-11/16"	12.25	–	–	–	240
15/16"	XL732036**	2' Cross Tee	24 x 15/16 x 1-11/16"	61.33	–	–	–	120
Molding								
7/8"	780036**	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360

* Simple Span
 ** Items 730136, XL734036, XL732036, and 780036 are available in Black and White only with baked polyester paint finish.
 Baked polyester paint finish system clips are not painted on main beam or cross tee. Touch-up paint available upon request.
 ♦ Metric items available

For more information, see submittal BPCS-3634.

ASTM Class
 HD - Heavy-duty
 ID - Intermediate-duty
 LD - Light-duty

For details on this product, call the
 TechLine™ at 1 877 ARMSTRONG

360° PAINTED GRID Suspension System

CUSTOM RAL COLORS Due to printing limitations, shade may vary from actual product.

For actual color selection, request sample of specific colors.

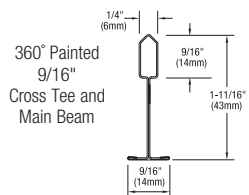


* These items are also available in matte finish as a special order.

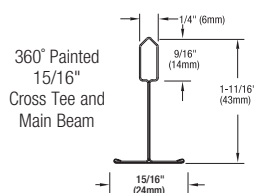
DETAILS



Powder Coated



Baked Polyester



PHYSICAL DATA

Material
Hot dipped galvanized steel

Surface Finish
2.0 mil powder coated painted surface or baked polyester paint

Cross Tee/Main Beam Interface
Override

End Detail
Main Beam: Staked-on clip
XL® Cross Tee: Staked-on clip

Main Beams	Minimum LBS. to pull out compression/tension
56418/730136/7501	330.0

Cross Tees	Minimum LBS. to pull out compression/tension
All XL cross tees exceed 300 lbs. in compression/tension	

Seismic Restraint

Note: Items 56418, 56421, and 56419 are the same as items 7301, XL7340, and XL8320 respectively for seismic performance. For floating installations refer to ASCE 7-10 for seismic requirements.

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

Warranty

See warranty details in the back of this catalog



CLEAN ROOM™ Exposed Tee System

30% STEEL 90% ALUMINUM RECYCLED CONTENT
armstrong.com/greengenie

LEED®



*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- System suitable for use in applications up to Class 5 performance per ISO Standard 14644-1 (Federal Standard 209E) without the use of hold down clips
- Lightly textured PVC face, to better match Clean Room VL panels
- Unique, factory-applied gaskets for better seal between panel and suspension system
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Clear non-ferrous hold down clip to ensure a good seal available (not required for clean room performance)
- Staked-on main beam splice and integral hook cross tee for easy connections and module control
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products

CLEAN ROOM-ALUMINUM

- Aluminum construction for maximum corrosion resistance and non-magnetic environments. **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)

CLEAN ROOM-STEEL

- Heavy-duty performance meets seismic category D, E, F requirements. **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)

TYPICAL APPLICATIONS

- Automotive and aerospace
- Computer rooms
- Hospitals
- Food processing facilities
- High tech manufacturing
- Non-magnetic areas/MRI suites (co-extruded aluminum only)
- Data Centers

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.			Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				2 Ft.	4 Ft.	5 Ft.				
Clean Room Co-Extruded Steel (Gasketed)										
15/16"	ES7901	12' HD Main Beam	144 x 15/16 x 1-11/16"	–	18.33	–	–	•	20	240
15/16"	ES7940	4' Cross Tee	48 x 15/16 x 1-11/16"	–	16.83	–	–	–	60	240
15/16"	ES7920	2' Cross Tee	24 x 15/16 x 1-11/16"	60.83	–	–	–	–	60	240
15/16"	Other Sizes Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
15/16"	ES7801	12' Angle Molding Steel	144 x 15/16 x 15/16"	–	–	–	–	–	30	360
Clean Room Co-Extruded Aluminum (Gasketed)										
1-1/2"	EA7903	12' HD Main Beam	144 x 1-1/2 x 2"	–	16.7	8.4	–	•	12	144
1-1/2"	EA7947	4' Cross Tee	48 x 1-1/2 x 2"	–	17.66	–	–	–	36	144
1-1/2"	EA7927	2' Cross Tee	24 x 1-1/2 x 2"	60.55	–	–	–	–	36	72
15/16"	EA7900	12' ID Main Beam	144 x 15/16 x 1-11/16"	–	12.25	–	–	–	20	240
15/16"	EA7940	4' Cross Tee	48 x 15/16 x 1-11/16"	–	15.32	–	–	–	60	240
15/16"	EA7920	2' Cross Tee	24 x 15/16 x 1-11/16"	66.62	–	–	–	–	60	120
15/16"	Other Sizes Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
15/16"	EA7801	12' Angle Molding Aluminum	144 x 15/16 x 15/16"	–	–	–	–	–	30	360
Accessories (For additional accessories see pgs. 271-272.)										
–	CHDC	Clear Hold Down Clip	–	–	–	–	–	–	50	–
–	XTAC	Cross Tee Adapter Clip	–	–	–	–	–	–	100	–
–	ALBERC2	Aluminum Beam End Retaining Clip	–	–	–	–	–	•	200	–

*Simple Span

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

COLOR SELECTION

White

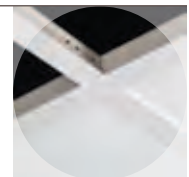
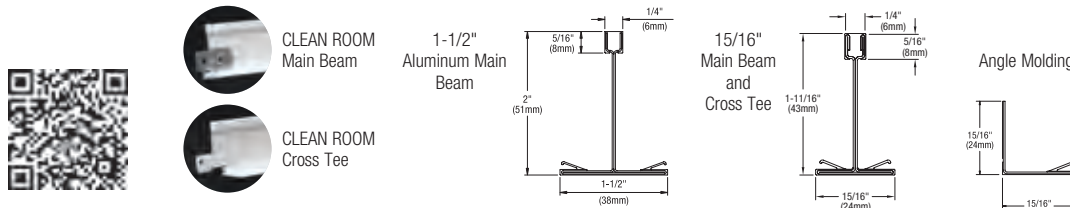


LIGHT FIXTURES

NOTE: Specify light fixtures designed to install with 1-1/2" face and 2" web height suspension systems when using 1-1/2" face products to allow for fixture maintenance.

Compatible Light Fixtures:	MANUFACTURER	ITEM #
Lithonia		CLRM-150 SRT-2x4_F MP4270
Guth		KLEENSEAL KRT 200
Clean Air Solutions		CR*-xxx-ESB
Morlite		CRGHEPA24 Series

DETAILS For more information, see submittal BPCS-3070 (Aluminum) or BPCS-4121 (Steel).



What is DC FlexZone?

The DC FlexZone Suspension System distributes safe, low-voltage direct current (DC) electrical power through the acoustical ceiling suspension system (grid).

Why use DC FlexZone?

DC FlexZone can be an integral part of a net zero energy building strategy providing more efficient lighting and direct use of on-site renewable energy. Plus, it gives you plug and play flexibility throughout the building.



- 1 DC FlexZone Silhouette® with Focal Point® light fixtures
- 2 DC FlexZone Silhouette with LED lighting

SYSTEM OVERVIEW

DC FlexZone Suspension System

- DC FlexZone Suspension System is a “Power Distribution Platform”
- Each main beam becomes its own electrical circuit – 24VDC, 100 Watts, “Safe to Touch”, Class 2
- Powered main beam:
 - Suprafine has 1 circuit
 - Silhouette has 2 circuits
- Only the main beams receive power, all other ceiling and suspension components are standard
- DC FlexZone Suspension System is installed like any other acoustical ceiling, electricians simply “wire up” the grid instead of every light fixture
- At least 2.0 watts/SF of power is delivered through the ceiling, more than enough for lighting and other plenum-based electrical devices like sensors

Power Supply

- A power supply connects to the building’s AC power and converts it to 24 Volt direct current (DC)
- Optional for the power supply to be directly connected to a renewable on-site source, like solar

Power Cables

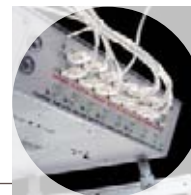
- Power cables bring power from the power supply to the DC FlexZone Suspension System via special connector slots on the grid
- Each main beam receives power so it’s available wherever you need it

Devices

- Device cables bring power from the DC FlexZone Suspension System to devices anywhere along the main beam – just “plug and play”
- Compatible fixtures from lighting companies include:
 - Recessed 24" x 24" and 24" x 48", Pendant and Downlight fixtures
 - Compact Fluorescent, Fluorescent and LED lighting technology

Controls

- Standard off the shelf controls can be used that are separate from this plug and play DC power infrastructure
- Typically 0-10v control circuits will be used or relays and low voltage switches
- DC FlexZone compatible wireless control solutions are also available



DC FLEXZONE™ Suspension System

UP TO **54%** MAIN BEAMS **61%** BORDER MAIN BEAMS **30%** CROSS TEES **RECYCLED CONTENT**

LEED®

acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



DC FlexZone Silhouette with Focal Point® light fixtures

KEY SELECTION ATTRIBUTES

- Main beams only with integrated electrical conductors capable of distributing power to electrical devices such as light fixtures and sensors
- UL Listed and EMerge Alliance® Registered for use in 24VDC power distribution systems
- Installed acoustically as part of the overall ceiling system, with electrical connections to the suspension system made subsequently by qualified electricians
- High recycled content, galvanized steel for durability, and sustainable design
- Seismic performance with heavy-duty load rating meets the most stringent codes

DC Silhouette®

- DC circuits available on top bulb and in slot reveal
- Integrates with standard cross tees, moldings, and accessories for Silhouette 1/4" Reveal suspension system
- Crisp reveal installs virtually flush with Tegular ceiling panel surface for monolithic appearance

DC Suprafine®

- Single DC circuit available on top bulb only
- Integrates with standard cross tees, moldings, and accessories for Suprafine and Suprafine HRC suspension systems
- Exposed Tee design combines superior durability and stability with a narrow suspension system face for a refined appearance

TYPICAL APPLICATIONS

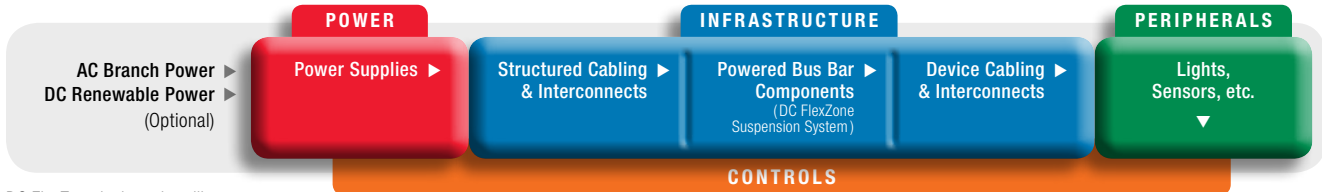
- Offices
- Education
- Hospitality
- Retail
- Healthcare

SYSTEM/COMPONENT RELATIONSHIPS

EMerge Alliance® Registered & Related Product Categories (for Building Applications of EMerge 24VDC Occupied Space Standard)	Specified by Elect. Engineer/Lighting Designer (Div 16/26)	Purchased by Electrical Contractor	Installed by Electrical Contractor	Specified by Architect/Interior Designer (Div 9)	Purchased by Acoustical Contractor	Installed by Acoustical Contractor
9/16" Ceiling Suspension System (Armstrong DC FlexZone – Suprafine Exposed Tee or Silhouette 1/4" Slot Reveal)				•	•	•
Acoustical Ceiling Tile (i.e., Armstrong Ultima® 1912HRC)				•	•	•
AC-DC Power Supplies, DC-DC Power Supplies	•	•	•			
Power Feed Cables	•	•	•			
24VDC Lighting Fixtures LED or Fluorescent with Connectors and/or Load Device Cable Assemblies	•	•	•			
24VDC Ballasts or Drivers for Lighting Fixtures	•	•	•			
Controls (Wireless or Wired)	•	•	•			

DC FLEXZONE™ Suspension System

COMPATIBLE PARTNERS



DC FlexZone is the only ceiling suspension system that provides an infrastructure for the delivery of low voltage direct current (DC) power based on the EMerge Alliance® 24VDC Occupied Space Standard.

DC FlexZone Ceiling Suspension Systems are designed for use with compatible power, infrastructure, lighting, and control products. Compatible products are available from other members of the EMerge Alliance, several of whom are called out below as "DC FlexZone Compatible Partners."

DC FLEXZONE Compatible Partners

POWER	INFRASTRUCTURE	PERIPHERALS	CONTROLS
Nextek Power Systems ROAL	TE Connectivity	Acuity Brands Cooper Lighting Focal Point JLC tech Osram Sylvania Philips Day-Brite Philips Lightolier	Acuity Brands Crestron Electronics Encelium

DC FlexZone Compatible Lighting Partners

<p>Expanding the boundaries of lighting™</p>	Lithonia Lighting® AC Series LED – 2' x 2', 2' x 4' T Series LED – 2' x 2', 2' x 4' RT Series LED – 2' x 2', 2' x 4' VT Series LED – 2' x 2', 2' x 4' AL Series LED – 2' x 2', 2' x 4' Shadow Box Square Series LED – 2' x 2', 2' x 4' DOM™ Downlight	<p>FOCAL POINT™</p>	Recessed Fluorescent Aerion™ – 2' x 2', 2' x 4' Equation™ – 2' x 2', 2' x 4' Luna® – 2' x 2', 2' x 4'	
	Gotham® EVO® Downlight		<p>JLC • TECH</p>	Pendant Fluorescent Verve™ IV – Pendant
	Peerless® Mino Luminaire		<p>OSRAM SYLVANIA</p>	LED T-BAR LED Smartlight™ – 2' and 4'
<p>COOPER Lighting</p>	Recessed Fluorescent Metalux® Accord™ – 2' x 2', 2' x 4' Metalux Ovation™ – 2' x 2', 2' x 4' Neoray™ Fenestra – 272 / 274 Neoray Luminous HE 282/284	<p>PHILIPS Day-Brite</p>	Recessed LED RLC22 - 2' x 2' RLS22 - 2' x 2'	
			<p>PHILIPS LIGHTOLIER</p>	Recessed Fluorescent SofTrace - 2' x 2' Attune - 2' x 4'
				Fluorescent Downlight Calculate® 6" Downlight

DC FlexZone Compatible Power Partners

<p>ROAL living energy</p>	4 Channel Safe Energy Server
<p>NEXTEK Power Systems</p>	16 Channel Power Supply Module

DC FlexZone Compatible Cable Partners

<p>TE connectivity</p>	5, 10, 15, 20, 25, 30 Foot Power Feed Cables
<p>Expanding the boundaries of lighting™</p>	
<p>CRESTRON</p>	
<p>ENCELIUM</p>	

DC FLEXZONE™

Available for Silhouette® & Suprafine®

ELECTRICAL DATA

- After DC main beams have been installed as part of an acoustical ceiling suspension system, qualified electricians make all electrical connections to the suspension system main beams.
- Each DC main beam is designed to mate with EMerge Alliance® Registered power distribution cable assemblies at designated locations along the length of each main beam.
- Each DC main beam is considered a Class 2 circuit when electrically connected.
- DC main beams are intended to deliver 24 Volt Direct Current (DC) power to one or more electrical devices equipped with EMerge compliant connectors that are flexibly connected to the suspension system.

Electrical Capacity: 24 Volt DC, 4.1 Amps, 100 Watts on each Class 2 circuit (i.e., top bulb & bottom box)

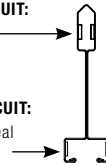
Electrical Code Compliance: NEC Class 2, UL 2577 Listed, EMerge Alliance Registered

Wiring: 12 AWG copper solid flat conductor, tin finish

WARNING: DC MAIN BEAMS ARE NOT INTENDED FOR USE WITH AC LINE VOLTAGE.

▲ 1ST AVAILABLE CIRCUIT:

Conductors on bulb



■ 2ND AVAILABLE CIRCUIT:

Conductors inside reveal



▲ AVAILABLE CIRCUIT:

Conductors on bulb



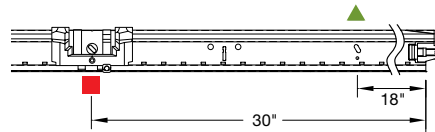
DC Silhouette main beams contain electrical conductors along the top "bulb" and within the bottom "reveal" of the suspension system bus bar, providing capability for two separate Class 2 circuits on each main beam.

DC Suprafine main beams contain electrical conductors along the top "bulb" of the suspension system bus bar, providing capability for one Class 2 circuit on each main beam.

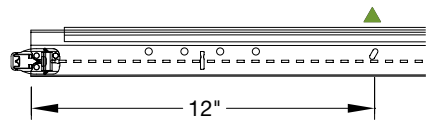
IMPORTANT – ELECTRICAL CONNECTIONS

24 Volt DC Class 2 power shall be connected in a predesignated factory power key slot on the DC Silhouette main beam. The two available circuits on DC Silhouette main beams are located 18" from each end* for power to the top "bulb" and 30" from each end* for power to the bottom "reveal." The one available circuit on DC Suprafine main beams is located on the top of the "bulb" 12" from each end.

*NOTE: Power slots are available on one end only on 6' DC main beams.



DC Silhouette



DC Suprafine

DC FLEXZONE CEILING SYSTEM PARTNERS

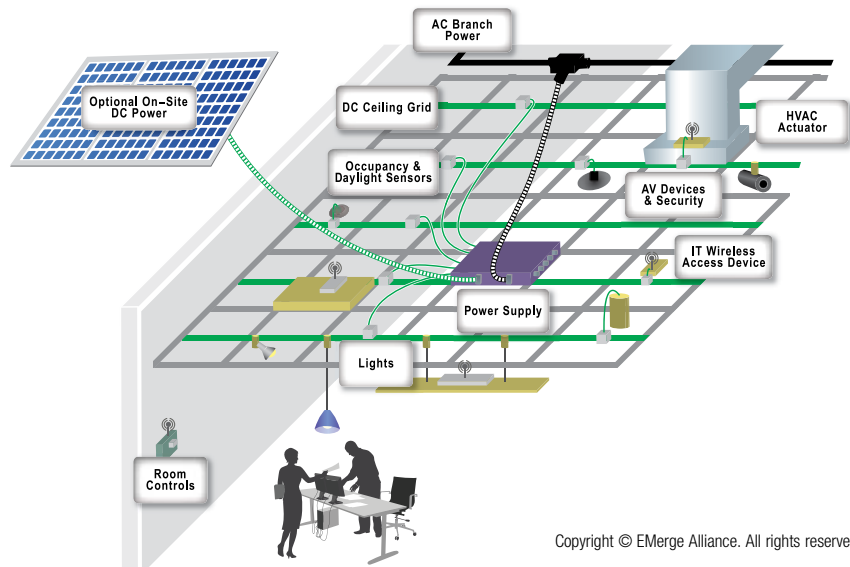
DC FlexZone Ceiling Suspension Systems are designed for use with compatible power, infrastructure, lighting, and controls products available from DC FlexZone Compatible Partners.

These companies are also members of the EMerge Alliance and have a variety of EMerge Alliance Registered products that can be specified as part of the power distribution, lighting, and electrical systems.

Please visit armstrong.com/dcflexzone for a list of our partners and links to their compatible products.

CAD drawings and application guides are also available online showing various configurations of typical ceiling and electrical layouts.

Please visit emergealliance.org for more information on EMerge Alliance Registered products and DC power distribution standards for buildings.



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SUSPENSION SYSTEMS

DC FLEXZONE™ – SUPRAFINE®

Exposed Tee System

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

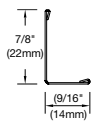
Grid Face	Item No.	Description	Dimensions (Inches)	Hanger Spacing*		Seismic Category	Total Recycled Content	Total Post-consumer Content	PCS/Ctn.	LFT/Ctn.
				4 Ft.	5 Ft.					
DC Main Beams										
9/16"	DC750106	6' HD Main Beam, Routes 12" OC, First Route 6" from end	72 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	60
9/16"	DC750108	8' HD Main Beam, Routes 12" OC, First Route 6" from end	96 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	80
9/16"	DC750110	10' HD Main Beam, Routes 12" OC, First Route 6" from end	120 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	100
9/16"	DC750112	12' HD Main Beam, Routes 12" OC, First Route 6" from end	144 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	120
Non-powered Border Main Beams										
9/16"	750106	6' HD Border Main Beam, Routes 12" OC, First Route 6" from end	72 x 9/16 x 1-11/16"	16.83	8.69	•	61%	50%	20	120
Accessories										
	DCINS	Insulator Cap	2"						100	
	BACG90A	Brace Attachment Clip							250	
	UPC	Universal Partition Clip							200	

* Simple Span

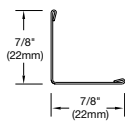
INSTALLATION CONSIDERATIONS

- Important: Route holes on DC Suprafine main beams are 6" from each end and 12" on center, which is different than standard (non-DC) Suprafine main beams.
- DC main beams shall not be field cut.
- Non-powered Border Main Beams (item 750106) shall be used and field cut at perimeters.
- Four different lengths of DC main beams are available to accommodate design.
- Reflected ceiling plans should indicate orientation, location, and length of DC powered main beams and field-cut border main beams. Installers should follow the RCP.
- Do not use predesignated factory power key slots for hanger wire.
- Use Insulator Caps (item DCINS) over any clips that touch the integrated conductors.
- Do not screw through the bulb of a DC main beam.
- Use Brace Attachment Clips (Item BACG90A) for any screw attachments for seismic applications and bracing.
- Use Partition Clips (UPC) screwed to the web of the suspension system for any attachments to the underside of the suspension system.

DETAILS AND SUSPENSION SYSTEM INTERSECTION

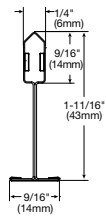


9/16" Hemmed Angle Molding (7804HRC)

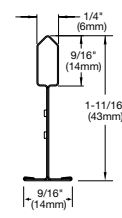


7/8" Hemmed Angle Molding (7800HRC)**

** For seismic zones, use 7800HRC with BERC2 clip



DC SUPRAFINE Main Beam



SUPRAFINE Cross Tee



CREATING SUSTAINABLE CEILING SYSTEMS

Maximize your sustainable ceiling system by combining DC FlexZone – Suprafine main beams with Suprafine HRC cross tees and molding, as well as the following sustainable ceiling panels:



ULTIMA® Ceiling-2-Ceiling™	Dimensions	CIRRUS® Ceiling-2-Ceiling	Dimensions	DUNE® Ceiling-2-Ceiling	Dimensions	TIERRA™	Dimensions
1912HRC 1915HRC	24 x 24 x 3/4" 24 x 48 x 3/4"	589HRC 539HRC	24 x 24 x 3/4" 24 x 48 x 3/4"	1775HRC 1777HRC	24 x 24 x 5/8" 24 x 48 x 5/8"	3462	24 x 24 x 5/8"
Suprafine 9/16"		Suprafine 9/16"		Suprafine 9/16"		Suprafine 9/16"	

DC FLEXZONE™ – SILHOUETTE®

Slotted Tee System

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

Grid Face	Item No.	Description	Dimensions (Inches)	Hanger Spacing*		Seismic Category	Total Recycled Content	Total Post-consumer Content	PCS/Ctn.	LFT/Ctn.
				4 Ft.	5 Ft.					
DC Main Beams – 1/4" Reveal										
9/16"	DC760106	6' HD Main Beam, Routes 12" OC, Notched 24" OC	72 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	60
9/16"	DC760108	8' HD Main Beam, Routes 12" OC, Notched 24" OC	96 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	80
9/16"	DC760110	10' HD Main Beam, Routes 12" OC, Notched 24" OC	120 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	100
9/16"	DC760112	12' HD Main Beam, Routes 12" OC, Notched 24" OC	144 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	120
Non-powered Border Main Beams										
9/16"	760106	6' HD Border Main Beam, Routes 12" OC, Notched 24" OC	72 x 9/16 x 1-3/4 x 1/4"	16.44	8.49	•	61%	50%	20	120
Accessories										
	DCINS	Insulator Cap	2"						100	
	BACG90A	Brace Attachment Clip							250	
	UPC	Universal Partition Clip							200	

* Simple Span

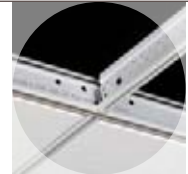
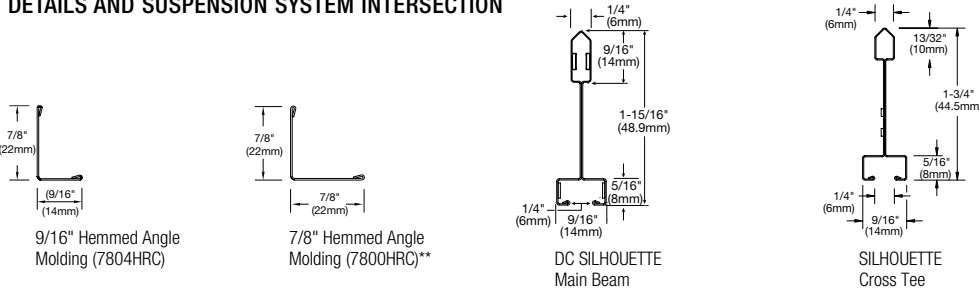
INSTALLATION CONSIDERATIONS

- DC main beams shall not be field cut.
- Non-powered Border Main Beams (Item 760106) shall be used and field cut at perimeters.
- Four different lengths of DC main beams are available to accommodate design.
- Reflected ceiling plans should indicate orientation, location, and length of DC powered main beams and

- field-cut border main beams. Installers should follow the RCP.
- Do not use predesignated factory power key slots for hanger wire.
- Do not use metal bolts in slot reveal.
- Use Insulator Caps (Item DCINS) over any clips that touch the integrated conductors.

- Do not screw through the bulb of a DC main beam.
- Use Brace Attachment Clips (Item BACG90A) for any screw attachments for seismic applications and bracing.
- Use Partition Clips (UPC) screwed to the web of the suspension system for any attachments to the underside of the suspension system.

DETAILS AND SUSPENSION SYSTEM INTERSECTION



** For seismic zones, use 7800HRC with BERC2 Clip

CREATING SUSTAINABLE CEILING SYSTEMS

Maximize your sustainable ceiling system by combining DC FlexZone – Silhouette main beams with Silhouette HRC cross tees and molding, as well as the following sustainable ceiling panels:



ULTIMA™ Ceiling-2-Ceiling™	Dimensions	CIRRUS™ Ceiling-2-Ceiling	Dimensions	DUNE™ Ceiling-2-Ceiling	Dimensions
1912HRC	24 x 24 x 3/4"	589HRC	24 x 24 x 3/4"	1775HRC	24 x 24 x 5/8"
1915HRC	24 x 48 x 3/4"	539HRC	24 x 48 x 3/4"	1777HRC	24 x 48 x 5/8"
Silhouette 9/16"		Silhouette 9/16"		Silhouette 9/16"	





UP TO **63%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local* materials

*LOCATION DEPENDENT

INTERLUDE® XL® High Recycled Content

9/16" Dimensional Tee System

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- XL® staked-on end detail provides secure locked connection
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- Unlimited intersections for flexibility of cross tee placement
- Accommodates virtually any fixture, especially 1' x 4' light fixtures and air handling
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products



- Main beams and cross tees can be ordered with special sizing and route spacing for your project needs
- Continuous rolled single piece system
- Some items available in metric sizes
- **FastSize™** main beams and cross tees can be ordered with special sizing and route spacing for your project needs in one carton minimums with two week lead times

TYPICAL APPLICATIONS

- Offices
- Lobbies and corridors
- Conference rooms
- Retail
- Hospitality



Blizzard White powder-coated finish coordinates with Optima®, Ultima® Calla™, and Lyra™ ceiling panels for a clean, seamless, monolithic installed visual.

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.				Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
					1 Ft.	2 Ft.	4 Ft.	5 Ft.				
Interlude XL												
9/16"	6100HRC _ _ ✦	12' ID Main Beam	6" O.C.	144 x 9/16 x 1-3/4"	-	-	12.6	-	-	20	240	
9/16"	6101HRC _ _ ✦	12' HD Main Beam	6" O.C.	144 x 9/16 x 1-3/4"	-	-	16.79	-	•	20	240	
9/16"	XL6180HRC _ _ ✦	8' Cross Tee	12" O.C.	96 x 9/16 x 1-3/4"	-	-	12.6	-	•	20	480	
9/16"	XL6190HRC _ _ ✦	6' Cross Tee	12" O.C.	72 x 9/16 x 1-3/4"	-	-	12.6	-	•	20	360	
9/16"	XL6150AHRC _ _ ✦	5' Cross Tee	6", 20", 30"	60 x 9/16 x 1-3/4"	-	-	5.8	-	•	60	300	
9/16"	XL6140HRC _ _ ✦	4' Cross Tee	12" O.C.	48 x 9/16 x 1-3/4"	3.0	-	12.6	-	•	60	240	
9/16"	XL6170HRC _ _ ✦	2.5' Cross Tee	-	30 x 9/16 x 1-3/4"	38.8	-	-	-	•	60	100	
9/16"	XL6120HRC _ _ ✦	2' Cross Tee	-	24 x 9/16 x 1-3/4"	-	66.89	-	-	•	60	120	
9/16"	XL6110HRC _ _ ✦	1' Cross Tee	-	12 x 9/16 x 1-3/4"	66.89	-	-	-	•	120	120	
9/16"	NEW FastSize	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Route spacing 2" from ends, 4" thereafter									Varies	Varies
Interlude XL items for TechZone™ Ceiling Systems												
9/16"	6195AHRC _ _ ✦	126" HD Main Beam	10", 30", 50", 70", 90", 110", 116"	126 x 9/16 x 1-3/4"	-	-	16.79	-	•	20	210	
9/16"	6127AHRC _ _ ✦	120" HD Main Beam	15", 42", 48", 75", 102", 108"	126 x 9/16 x 1-3/4"	-	-	16.79	-	•	20	210	
9/16"	XL6164AHRC _ _ ✦	54" Cross Tee	6", 27", 48"	54 x 9/16 x 1-3/4"	-	-	9.2 at 4.5'	-	•	60	270	
9/16"	XL6162HRC _ _ ✦	42" Cross Tee	-	42 x 9/16 x 1-3/4"	-	-	20 at 3.5'	-	•	60	210	
9/16"	XL6167HRC _ _ ✦	27" Cross Tee	-	27 x 9/16 x 1-3/4"	-	49.32	-	-	•	60	120	

NOTE: Additional Interlude XL items for TechZone Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrong.com/techzone

ASTM Class
HD - Heavy-duty
LD - Light-duty

Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
----------	-------------	--------	------------	------------	------------	------------	----------------

Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 269-270)

7/8"	7800HRC _ _ ✦	12' Hemmed Angle Molding	144"	7/8"	7/8"	-	30	360
9/16"	7804HRC _ _ ✦	12' Hemmed Angle Molding	144"	9/16"	7/8"	-	30	300
9/16"	7873 _ _ ✦	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	360
9/16"	7874 _ _ ✦	10' Shadow Molding	120"	9/16"	15/16"	1/4"	30	300
15/16"	7877 _ _ ✦****	10' Seismic Shadow Molding	120"	15/16"	15/16"	1/4"	30	300
15/16"	7878 _ _ ✦****	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	30	300

* Simple Span **** Suitable for Category D, E, F Seismic Installation with BERC2 clip ✦ Items available in Blizzard White powder-coated finish only
When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7804ZW – Blizzard White)

COLOR AND FINISH SELECTION

○ Standard: White ○ Powder Coated Finish: Blizzard White

ACCESSORIES

For accessories see pages 271-272.

DETAILS

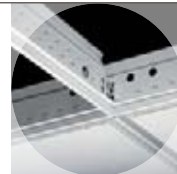
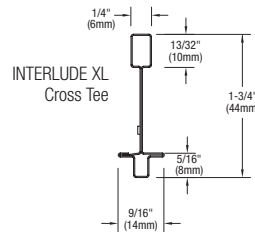
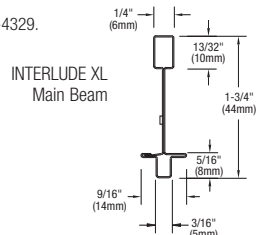
For more information, see submittal BPCS-4329.



INTERLUDE XL Main Beam



INTERLUDE XL Cross Tee



*LOCATION DEPENDENT

PRELUDE® Concealed Tee System

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation
- Upward access angles for limited plenum access; use DAC for downward access

TYPICAL APPLICATIONS

- Older buildings with minimal overhead clearance

VISUAL SELECTION

PERFORMANCE

PACKAGING



Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				4 Ft.	5 Ft.				
Prelude Concealed						Dots represent high level of performance.			
15/16"	7301	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.50	8.73	–	–	20	240
15/16"	7300	12' ID Main Beam	144 x 15/16 x 1-11/16"	12.80	6.35	–	–	20	240
15/16"	ML7343	4' Cross Tee	48 x 15/16 x 1-1/2"	9.00	–	–	–	60	240
15/16"	XL7342	4' Cross Tee	48 x 15/16 x 1-1/2"	9.00	–	–	–	60	240
15/16"	ML7323	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	–	60	120
15/16"	XL7328	2' Cross Tee	24 x 15/16 x 1-3/8"	38.63	–	–	–	60	120
7/16"	7449LE	4' Single Leaf Tee - Left	48 x 7/16 x 1-1/4"	–	–	–	–	75	300
7/16"	7449RI	4' Single Leaf Tee - Right	48 x 7/16 x 1-1/4"	–	–	–	–	75	300
3/4"	7446	4' Tee Spline	48 x 3/4 x 7/8"	–	–	–	–	125	500
3/4"	7436	3' Tee Spline	36 x 3/4 x 7/8"	–	–	–	–	125	375
7/8"	7426	2' Tee Spline	24 x 3/4 x 7/8"	–	–	–	–	125	250
7/16"	7447	4' Concealed Angle	48 x 7/16 x 1-1/4"	–	–	–	–	75	300
7/16"	7437	3' Concealed Angle	36 x 7/16 x 1-1/4"	–	–	–	–	100	300
7/16"	7427	2' Concealed Angle	24 x 7/16 x 1-1/4"	–	–	–	–	150	300
Suggested Molding (Additional molding options available. See pages 269-270)									
7/8"	7835	10' Channel Molding	120 x 7/8 x 1-3/4 x 9/16"	–	–	–	–	20	200
15/16"	7830	10' Channel Molding	120 x 15/16 x 1-15/16 x 15/16"	–	–	–	–	16	160
Accessories									
–	7445	4' Stabilizer Bar	48"	–	–	–	–	100	400
–	7425	2' Stabilizer Bar	24"	–	–	–	–	100	200
–	7486	Breather Spline	11"	–	–	–	–	500	–
7/16"	7428	2' Access Hook	24 x 7/16 x 1-1/4"	–	–	–	–	300	300
7/16"	7418	1' Access Hook	12 x 7/16 x 1-1/4"	–	–	–	–	150	300
–	7870	Spring Border Clip	–	–	–	–	–	1,000	–
–	DAC	Downward Access Clip	–	–	–	–	–	80	–

* Simple Span

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

SUSPENSION SYSTEMS

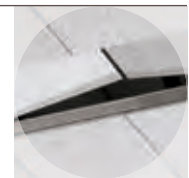
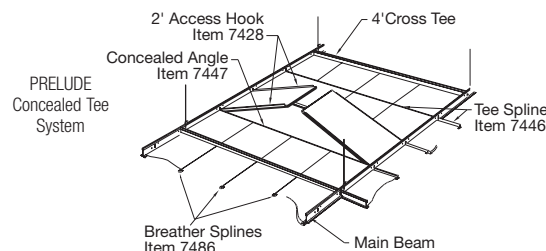
COLOR SELECTION

White (WH)	Unpainted	
		
7301	7449LE	7445
7300	7449RI	7425
ML7343	7446	7870
XL7342	7436	7428
ML7323	7426	7418
XL7328	7447	7486
7835	7437	
7830	7427	
DAC		



DETAILS

For more information, see submittal BPCS-3347.



PRELUDE® ML

15/16" Exposed Tee System

UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local* materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- Hook staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs

TYPICAL APPLICATIONS

- Retail
- Education
- Offices
- Hotels

VISUAL SELECTION

PERFORMANCE

PACKAGING

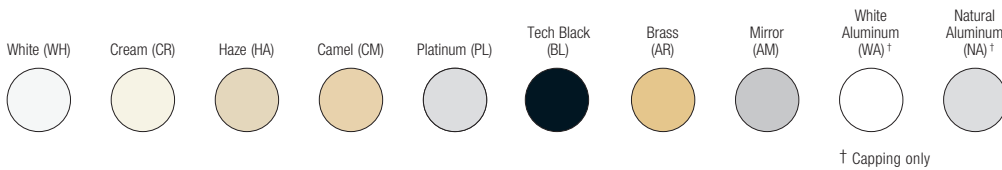
Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
Prelude ML				4 Ft.	5 Ft.	Dots represent high level of performance.			
15/16"	7301 __♦	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.73	8.73	–	–	20	240
15/16"	7300	12' ID Main Beam	144 x 15/16 x 1-11/16"	13.50	6.35	–	–	20	240
15/16"	7302	10' ID Main Beam	120 x 15/16 x 1-11/16"	13.50	6.35	–	–	20	200
15/16"	ML7357	5' Cross Tee	60 x 15/16 x 1-11/16"	–	7.61	–	–	60	300
15/16"	ML7343 __♦	4' Cross Tee	48 x 15/16 x 1-1/2"	7.80	–	–	–	60	240
15/16"	ML7323 __♦	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	–	60	120
15/16"	ML7313	1' Cross Tee	12 x 15/16 x 1-1/2"	40.45	–	–	–	120	120
15/16"	NEW FastSize™ Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter							Varies	Varies
Suggested Molding (Additional molding options available. See pages 269-270)									
7/8"	7800 __♦	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	30	360
15/16"	7809	12' Hemmed Angle Molding	144 x 15/16 x 15/16"	–	–	–	–	30	360
9/16"	7835	10' Hemmed Channel Molding	120 x 7/8 x 1-3/4 x 9/16"	–	–	–	–	20	200

* Simple Span
♦ Add 2-letter color suffix to item number when specifying or ordering (ex. 7301C B)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



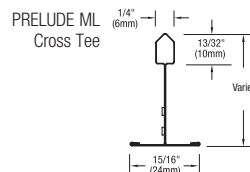
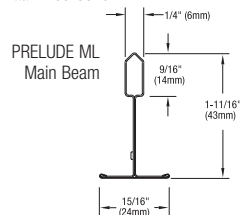
DETAILS

For more information, see submittal BPCS-3346.



PRELUDE ML Main Beam

PRELUDE ML Cross Tee



PRELUDE® PLUS XL® Aluminum & PRELUDE PLUS XL Stainless Steel Environmental Tee System

30% STEEL 91% ALUMINUM

RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt

recycled content

local* materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- All systems conform to ASTM C635 for Severe Environmental Performance
- 10-year limited warranty; 30-year limited warranty with HumiGuard® Plus or Max products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- XL² staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate (clips made from stainless steel)

PRELUDE PLUS XL ALUMINUM

- All aluminum for maximum moisture resistance

PRELUDE PLUS XL STAINLESS STEEL

- Type 304, non-magnetic, stainless steel; withstands a wide variety of corrosive agents
- Peel-off protective film on exposed surfaces to prevent scuffing and marking during installation

TYPICAL APPLICATIONS

PRELUDE PLUS XL ALUMINUM

- Indoor swimming pools with proper ventilation and hanger wire
- Non-magnetic areas/MRI suites
- Shower rooms

PRELUDE PLUS XL STAINLESS STEEL

- Food preparation, storage, manufacturing, and packaging areas
- Laboratories
- Chemical processing
- MRI applications

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.			Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				2 Ft.	3 Ft.	4 Ft.				
Prelude Plus XL Aluminum							Dots represent high level of performance.			
15/16"	AL7200_ _♦	12' LD Main Beam	144 x 15/16 x 1-1/2"	–	13.47	6.33	–	–	20	240
15/16"	XLAL7240_ _♦	4' Cross Tee	48 x 15/16 x 1-1/2"	–	–	6.33	–	●	60	240
15/16"	XLAL7220_ _♦	2' Cross Tee	24 x 15/16 x 1-1/2"	44.45	–	–	–	●	60	120
15/16"	Other Sizes Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
7/8"	AL7801_ _♦	12' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Prelude Plus XL Stainless Steel										
15/16"	SS7200	12' ID Main Beam	144 x 15/16 x 1-1/2"	–	–	12.23	–	–	20	240
15/16"	XLSS7240	4' Cross Tee	48 x 15/16 x 1-1/2"	–	–	10.4	–	●	60	240
15/16"	XLSS7220	2' Cross Tee	24 x 15/16 x 1-1/2"	61.66	–	–	–	●	60	120
15/16"	Other Sizes Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
7/8"	SS7801	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Accessories										
	ALBERC2	Aluminum Beam End Retaining Clip		–	–	–	–	–	200	–

* Simple Span

♦ Add 2-letter color suffix to item number when specifying or ordering (ex. AL7200N A)

† Hanger wire spacing reduced to 36" will provide load capacity of 13.47 lbs./LF

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Aluminum

White Aluminum (WA)



Natural Aluminum (NA)



Steel

Stainless Steel (SS)



DETAILS

For more information, see submittal BPCS-3155 (Prelude Plus XL Aluminum) or BPCS-3154 (Prelude Plus XL Stainless Steel).

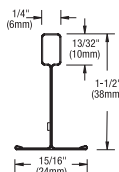


PRELUDE PLUS XL Aluminum Cross Tee

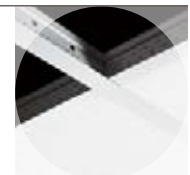
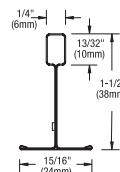


PRELUDE PLUS XL Stainless Steel Cross Tee

PRELUDE PLUS XL Aluminum Main Beam



PRELUDE PLUS XL Stainless Steel Main Beam



PRELUDE® PLUS XL® Fire Guard™ & PRELUDE XL for Exterior Applications

Exposed Tee System



UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local* materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- All systems conform to ASTM C 635 for Severe Environmental Performance
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus or Max** products
- XL² staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate

PRELUDE PLUS XL Fire Guard

- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Main beams, cross tees, and wall molding are minimum G60 hot dipped galvanized steel with prefinished aluminum capping for enhanced corrosion resistance
- UL design fire-rated performance



PRELUDE XL For Exterior Applications

- Main beams, cross tees, and wall molding are minimum G90 hot dipped galvanized steel with prefinished G90 steel capping
- Suitable for wind uplift applications

TYPICAL APPLICATIONS

PRELUDE PLUS XL Fire Guard

- Locker rooms
- Commercial kitchens and food preparation areas

PRELUDE XL For Exterior Applications

- Non-exposed exterior corridors
- Drive-thru areas
- Verandas, porches, covered galleries
- Indoor parking garages

VISUAL SELECTION

PERFORMANCE

PACKAGING

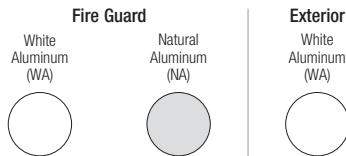
Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.			Fire Guard	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				2 Ft.	4 Ft.	5 Ft.				
Prelude Plus XL Fire Guard (Red Numbers are Fire Guard Items)							Dots represent high level of performance.			
15/16"	HD8201 _ _ ♦	12' HD Main Beam	144 x 15/16 x 1-11/16"	12.75	16.73	–	•	•	20	240
15/16"	XL8240 _ _ ♦	4' Cross Tee	48 x 15/16 x 1-1/2"	12.75	–	–	•	–	60	240
15/16"	XL8223 _ _ ♦	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	•	–	60	120
Molding										
7/8"	HD7801 _ _ ♦	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Prelude XL for Exterior Applications										
15/16"	7301G90A	12' HD Main Beam	144 x 15/16 x 1-11/16"	–	16.50	6.92	–	–	20	240
15/16"	XL7341G90A	4' Cross Tee	48 x 15/16 x 1-11/16"	–	16.59	–	–	•	60	240
15/16"	XL7321G90A	2' Cross Tee	24 x 15/16 x 1-11/16"	–	74.38	–	–	•	60	120
Molding										
7/8"	HD7801G90	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	–	100
Accessories										
2"	BACG90A	Wind Uplift Clip	N/A	–	–	–	–	–	250	–
	UHDC	Universal Hold-down Clip	N/A	–	–	–	–	–	1000	–

* Simple Span
♦ Add 2-letter color suffix to item number when specifying or ordering (ex. HD8701W A)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

COLOR SELECTION

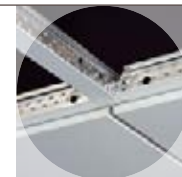
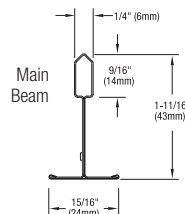
Due to printing limitations, shade may vary from actual product.



† Capping only

DETAILS

For more information on PRELUDE PLUS XL Fire Guard, see submittal BPCS-3156. Prelude XL for Exterior Applications and wind uplift chart see BPCS-3384.



PRELUDE® XL® & PRELUDE XL High Recycled Content Exposed Tee System



KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits rusting better than electrogalvanized or painted systems
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Some items available in metric sizes
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- XL² staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- Fire Guard™ options offer UL design fire-rated performance

TYPICAL APPLICATIONS

- Retail
- Education
- Healthcare
- Offices
- Hospitality

NEW Blizzard White powder-coated finish coordinates with Calla, Optima® and Ultima® ceiling panels for a clean, seamless, monolithic installed visual.

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.*	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™ 	Seismic Category 	Pcs./Ctn.	Lin. Ft./Ctn.
Prelude XL (Red Numbers are Fire Guard Items)							4 Ft.	5 Ft.	Dots represent high level of performance.	
15/16"	7301 __ ♦ 7301HRC __ ♦ 8301 __ ♦	12" HD Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	16.73	8.73	–	•	20	240
15/16"	7300 __ ♦ 8300 __ ♦	12" ID Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	13.5	6.35	–	–	20	240
15/16"	7305 __ ♦	140" HD Main Beam	10" O.C.	140 x 15/16 x 1-11/16"	10.73	8.73	–	–	20	233
15/16"	7306 __ ♦	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122"	132 x 15/16 x 1-11/16"	16.73	8.73	–	•	20	220
15/16"	7307 __ ♦	126" HD Main Beam	10", 30", 50", 70", 90", 110", 116"	126 x 15/16 x 1-11/16"	–	–	–	•	20	210
15/16"	7302 __ ♦	10" ID Main Beam	6" O.C.	120 x 15/16 x 1-11/16"	13.5	6.35	–	–	20	200
15/16"	XL7380 __ ♦	8' Cross Tee	12" O.C.	96 x 15/16 x 1-11/16"	12.12**	–	–	•	20	160
15/16"	XL7390 __ ♦	6' Cross Tee	12" O.C.	72 x 15/16 x 1-11/16"	12.24*	–	–	•	20	120
15/16"	XL7357 __ ♦	5' Cross Tee	6" O.C.	60 x 15/16 x 1-11/16"	–	7.61	–	•	60	300
15/16"	XL7358 __ ♦	5' Cross Tee	20" O.C.	60 x 15/16 x 1-11/16"	–	7.61	–	•	60	300
15/16"	XL7341 __ ♦ XL7341HRC __ ♦ XL8341 __ ♦	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	16.89	–	–	•	60	240
15/16"	XL7340 __ ♦ XL8340 __ ♦	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	12.25	–	–	•	60	240
15/16"	XL7342 __ ♦	4' Cross Tee	12" O.C.	48 x 15/16 x 1-1/2"	7.8	–	–	•	60	240
15/16"	XL7348 __ ♦	4' Cross Tee	12" O.C.	48 x 15/16 x 1-3/8"	6.78	–	–	•	60	240
15/16"	XL7330 __ ♦	3' Cross Tee	–	36 x 15/16 x 1-11/16"	20.3 at 3'	–	–	•	60	180
15/16"	XL7378 __ ♦	30" Cross Tee	–	30 x 15/16 x 1-3/8"	16.54 at 2.5'	–	–	•	60	150
15/16"	XL7328 __ ♦ XL8323 __ ♦	2' Cross Tee	–	24 x 15/16 x 1-3/8"	36.0 at 2'	–	–	•	60	120
15/16"	XL8320HRC __ ♦ XL8320 __ ♦	2' Cross Tee	–	24 x 15/16 x 1-11/16"	61.33 at 2'	–	–	•	60	120
15/16"	XL7368 __ ♦	20" Cross Tee	–	20 x 15/16 x 1-3/8"	36.0 at 1.67'	–	–	•	60	100
15/16"	XL7398 __ ♦	18" Cross Tee	–	18 x 15/16 x 1-3/8"	–	–	–	•	60	90
15/16"	XL7318 __ ♦	1' Cross Tee	–	12 x 15/16 x 1-3/8"	36.0 at 1'	–	–	•	120	120
15/16"	FastSize™ NEW	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Route spacing 3" from ends, 6" thereafter							Varies	Varies

* Simple Span
 ** Hanger Wire Support Mid-Span
 ♦ Items available in Standard, Premium, Wood Look, and Blizzard White powder-coated finish
 ♦ Items available in Blizzard White powder-coated finish only
 When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

NOTE: Additional Prelude XL items for TechZone™ Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrong.com/techzone

ASTM Class
 HD - Heavy-duty
 ID - Intermediate-duty
 LD - Light-duty



SUSPENSION SYSTEMS

PRELUDE® XL® & PRELUDE XL High Recycled Content Exposed Tee System



UP TO **63%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local materials

*LOCATION DEPENDENT

VISUAL SELECTION

PACKAGING

Item No.*	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
Suggested Wall Moldings and Shadow Moldings							
□ 7800_ _♦ □ 7800HRC	12' Hemmed Angle Molding	144"	7/8"	7/8"	–	30	360
□ 7808_ _♦	10' Hemmed Angle Molding	120"	2"	2"	–	10	100
□ 780812_ _♦	12' Hemmed Angle Molding	144"	2"	2"	–	10	120
□ 7807	10' Hemmed Angle Molding	120"	2"	1"	–	10	100
□ 7875_ _♦	10' Shadow Molding	120"	3/4"	15/16"	1/2"	30	300
□ 7877_ _♦***	10' Shadow Molding	120"	15/16"	15/16"	1/4"	30	300
□ 7878_ _♦***	10' Shadow Molding	120"	15/16"	15/16"	3/8"	30	300
□ 7897_ _♦***	10' Shadow Molding	120"	15/16"	15/16"	1/2"	30	300

*** Suitable for IBC Category D,E,F installations using Armstrong Seismic Rx® and BERC2 Clip
 ♦ Items available in Standard, Premium, Wood Look, and Blizzard White powder-coated finish
 ♦ Items available in Blizzard White powder-coated finish only
 When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

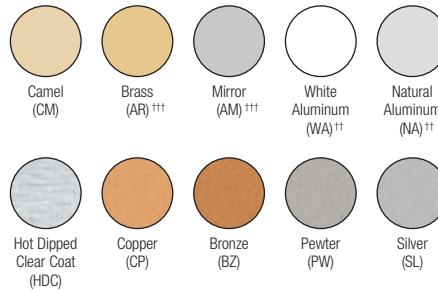
ACCESSORIES For accessories see pages 271-272.

COLOR SELECTION

Standard



Premium



Powder-coated Finish*

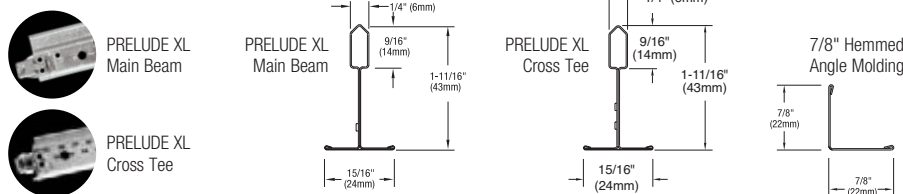


Wood Look Finishes



†† Capping only
 ††† Peel-off protective film on exposed surfaces to protect from scuffing or marking during installation
 NOTE: Items 8300, XL8340, XL8323 available in Black (BL) or White (WH) only.
 * Items available in powder-coated finish
 When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

DETAILS For more information, see submittal CS-3344.



SILHOUETTE® XL® 1/4" REVEAL

Slotted Tee System



UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Some items available in metric sizes
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter tees
- XL² staked-on end detail provides secure locked connection
- Available with black reveal



- 10-year limited warranty; 30-year limited warranty when used with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- **FastSize™** main beams and cross tees can be ordered with special sizing and route spacing for your project needs in one carton minimums with two week lead times

TYPICAL APPLICATIONS

- Offices
 - Education
 - Retail
 - Hospitality
- NEW** Blizzard White powder-coated finish coordinates with Optima®, Ultima® Calla™, and Lyra™ ceiling panels for a clean, seamless, monolithic installed visual.

VISUAL SELECTION

PERFORMANCE PACKAGING

Face Profile	Item No.	Description	Route Spacing	Notching	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.	4 Ft.	5 Ft.	Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin.Ft./ Ctn.
Silhouette XL – 1/4" Reveal												
9/16"	7601 _ _ ♦	12' HD Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	16.35	7.80	–	•		20	240
9/16"	7612 _ _ ♦	12' HD Main Beam – Unnotched	–		144 x 9/16 x 1-3/4"	16.35	7.80	–	•		20	240
9/16"	7600 _ _ ♦	12' ID Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–		20	240
9/16"	7602 _ _ ♦	10' ID Main Beam – Notched 24" O.C.	24" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–		20	200
9/16"	7603 _ _ ♦	12' ID Main Beam – Notched 48" O.C.	48" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–		20	240
9/16"	7606 _ _ ♦	10' ID Main Beam – Notched 30" O.C.	30" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–		20	200
9/16"	XL7680 _ _ ♦	8' Cross Tee – Unnotched	–		96 x 9/16 x 1-3/4"	12.59**	–	–	•		20	160
9/16"	XL7690 _ _ ♦	6' Cross Tee – Unnotched	–		72 x 9/16 x 1-3/4"	12.59**	–	–	•		20	120
9/16"	XL7650 _ _ ♦	5' Cross Tee – Unnotched	–		60 x 9/16 x 1-3/4"	–	6.09	–	•		30	150
9/16"	XL7655 _ _ ♦	5' Cross Tee – Center-notched, both sides	–		60 x 9/16 x 1-3/4"	–	5.71	–	•		30	150
9/16"	XL7654 _ _ ♦	5' Cross Tee – Notched, both sides at 20", 40"	–		60 x 9/16 x 1-3/4"	–	5.71	–	•		30	150
9/16"	XL7651 _ _ ♦	5' Cross Tee – Notched, one side at 20", 40"	–		60 x 9/16 x 1-3/4"	–	5.71	–	•		30	150
9/16"	XL7640 _ _ ♦	4' Cross Tee – Unnotched	–		48 x 9/16 x 1-3/4"	13.53	–	–	•		60	240
9/16"	XL7645 _ _ ♦	4' Cross Tee – Center-notched, both sides	–		48 x 9/16 x 1-3/4"	12.85	–	–	•		60	240
9/16"	XL7646 _ _ ♦	4' Cross Tee – Center-notched, one side	–		48 x 9/16 x 1-3/4"	13.21	–	–	•		60	240
9/16"	XL7670 _ _ ♦	30" Cross Tee – Unnotched	–		30 x 9/16 x 1-3/4"	39.86 at 2.5'	–	–	•		60	150
9/16"	XL7620 _ _ ♦	2' Cross Tee – Unnotched	–		24 x 9/16 x 1-3/4"	69.69	71.66 at 2'	–	•		60	120
9/16"	XL7610 _ _ ♦	1' Cross Tee – Unnotched	–		12 x 9/16 x 1-3/4"	69.69	71.66	–	•		120	120
9/16"	NEW FastSize™	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Route spacing 3" from ends, 6" thereafter										

Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 269-270)							
7804 _ _ ♦	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7873 _ _ ♦	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
7878 _ _ ♦♦♦	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	30	300

* Simple Span *** Suitable for Category D, E, F Seismic Installation with BERC2 clip ♦ Items available in Blizzard White powder-coated finish only
When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7804ZW – Blizzard White)

ASTM Class ID - Intermediate-duty
HD - Heavy-duty LD - Light-duty

ACCESSORIES For accessories see pages 271-272.

COLOR AND FINISH SELECTION

○ Standard* White (WH) ○ Powder Coated Finish: Blizzard White (ZW)

DETAILS For more information, see submittal BPCS-3157.



NOTE: Additional Silhouette 1/4" reveal items for TechZone Integrated Ceiling System are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrong.com/techzone





UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt recycled content local materials

*LOCATION DEPENDENT

SILHOUETTE® XL® 1/8" REVEAL

Slotted Tee System

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Some items available in metric sizes
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter tees
- XL² staked-on end detail provides secure locked connection
- 10-year limited warranty; 30-year limited warranty when used with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and route spacing for your project needs
- **NEW** **FastSize™** main beams and cross tees can be ordered with special sizing and route spacing for your project needs in one carton minimums with two week lead times

TYPICAL APPLICATIONS

- Offices
 - Education
 - Retail
 - Hospitality
- NEW** Blizzard White powder-coated finish coordinates with Optima®, Ultima® Calla™, and Lyra™ ceiling panels for a clean, seamless, monolithic installed visual.

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Route Spacing	Notching	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™	Seismic Category 	Pcs./ Ctn.	Lin.Ft./ Ctn.	
Silhouette XL – 1/8" Reveal						4 Ft.	5 Ft.	Dots represent high level of performance.				
9/16"	76018_ _ ♦	12' HD Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240	
9/16"	76128_ _ ♦	12' HD Main Beam – Unnotched	–		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240	
9/16"	76008_ _ ♦	12' ID Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240	
9/16"	76028_ _ ♦	10' ID Main Beam – Notched 24" O.C.	24" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200	
9/16"	76038_ _ ♦	12' ID Main Beam – Notched 48" O.C.	48" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240	
9/16"	76068_ _ ♦	10' ID Main Beam – Notched 30" O.C.	30" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200	
9/16"	XL76808_ _ ♦	8' Cross Tee – Unnotched	–		96 x 9/16 x 1-3/4"	12.59**	–	–	•	20	160	
9/16"	XL76908_ _ ♦	6' Cross Tee – Unnotched	–		72 x 9/16 x 1-3/4"	12.59**	–	–	•	20	120	
9/16"	XL76508_ _ ♦	5' Cross Tee – Unnotched	–		60 x 9/16 x 1-3/4"	–	6.09	–	•	30	150	
9/16"	XL76558_ _ ♦	5' Cross Tee – Center-notched, both sides	–		60 x 9/16 x 1-3/4"	–	5.71	–	•	30	150	
9/16"	XL76408_ _ ♦	4' Cross Tee – Unnotched	–		48 x 9/16 x 1-3/4"	14.11	–	–	•	60	240	
9/16"	XL76458_ _ ♦	4' Cross Tee – Center-notched, both sides	–		48 x 9/16 x 1-3/4"	12.60	–	–	•	60	240	
9/16"	XL76468_ _ ♦	4' Cross Tee – Center-notched, one side	–		48 x 9/16 x 1-3/4"	13.01	–	–	•	60	240	
9/16"	XL76708_ _ ♦	30" Cross Tee – Unnotched	–		30 x 9/16 x 1-3/4"	47.76	–	–	•	60	150	
9/16"	XL76208_ _ ♦	2' Cross Tee – Unnotched	–		24 x 9/16 x 1-3/4"	69.69	–	–	•	60	120	
9/16"	XL76108_ _ ♦	1' Cross Tee – Unnotched	–		12 x 9/16 x 1-3/4"	69.69	–	–	•	120	120	
9/16"	NEW FastSize™	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Route spacing 3" from ends, 6" thereafter									Varies	Varies

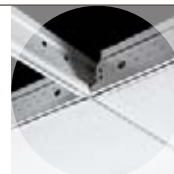
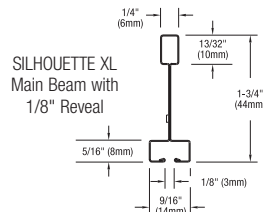
Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./ Ctn.	Lin. Ft./ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 269-270)							
7804_ _ ♦	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7873_ _ ♦	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
7878_ _ ♦***	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	30	300

* Simple Span *** Suitable for Category D, E, F Seismic Installation with BERC2 clip ♦ Items available in Blizzard White powder-coated finish only ASTM Class HD - Heavy-duty LD - Light-duty
When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7804**ZW** – Blizzard White)

ACCESSORIES For accessories see pages 271-272.

COLOR AND FINISH SELECTION Standard*: White (WH) Powder Coated Finish: Blizzard White (ZW)

DETAILS For more information, see submittal BPCS-3078.



SINGLESPAN™

Acoustical Corridor Suspension System



The SingleSpan System can eliminate hanger wires

KEY SELECTION ATTRIBUTES

- SingleSpan allows you to reduce or eliminate hanger wires in acoustical corridor installations.
- **PeakForm Plus** profile adds additional strength and support for longer spans 
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- 10-year limited warranty; 30-year when used with **HumiGuard® Plus** products
- All components are manufactured from

High Recycled Content steel

- High Recycled Content grid can be used with Ultima® HRC, Cirrus® HRC, Dune™ HRC, or Tierra™ ceiling panels to create a sustainable ceiling system
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter tees

WHY USE SINGLESPAN?

- Reduces or eliminates hanger wires – perfect for healthcare/education spaces with crowded plenums.
- Faster installation helps keep large projects on schedule.
- Compatible with all Armstrong® heavy-duty suspension main beams using StrongBack™ Support Hangers
- Seismically tested/approved suspension installation configuration (APMO certified, Evaluation Report #0244).
- Provides improved access to utilities in the plenum post installation.

TYPICAL APPLICATIONS

- Corridors in:
- Healthcare
 - Offices
 - Education

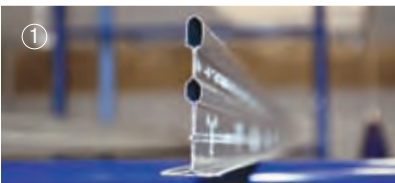
COLOR SELECTION



White

HOW THE SINGLESPAN SYSTEM WORKS

- 1 Prelude® PeakForm® Plus 15/16" main beams with double bulb construction provide heavy-duty strength and support for maximum load carrying performance.
- 2 For 9/16" applications, add SingleSpan strength to any Armstrong® heavy-duty main beam by attaching StrongBack™ support pieces to them.



- 3 Structural wall angle maximizes the load carrying performance of the SingleSpan System and allows you to reduce or eliminate hanger wires.



SEISMIC INSTALLATIONS

- 4 The Lateral Support Bar adds seismic performance to the SingleSpan System and functions as:
 - A stabilizer bar
 - Perimeter support wire
 - 2" Wall molding
 - Lateral bracing



SINGLESPAN™

Acoustical Corridor Suspension System

UP TO **63%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local materials

*LOCATION DEPENDENT

VISUAL SELECTION

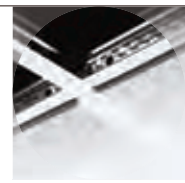
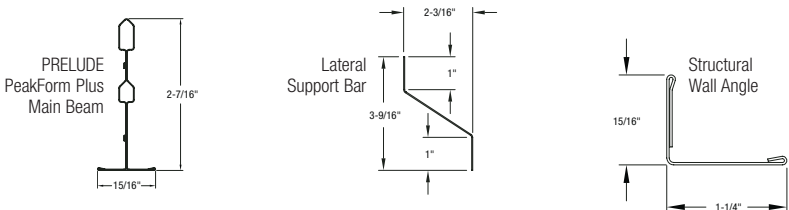
PERFORMANCE

PACKAGING

Face	Item No.	Description	Dimensions (Inches)	Hanger Spacing Lbs./Lin. Ft.			Main Beam O.C. Spacing			Hanger Spacing – Maximum Load in Lbs./Sq. Ft.			Seismic Category	Pcs./Ctn.	Lin. Ft./Ctn.
				2 Ft.	4 Ft.	5 Ft.	6 Ft.	4 Ft.	5 Ft.	6 Ft.					
SingleSpan Prelude® Main Beams with PeakForm® Plus															
15/16"	730098HRC	98" Main Beam	98 x 15/16 x 2.44"	–	41.1	18.6	12.8	24" 48"	20.55 10.27	9.3 4.65*	6.4 3.2	•	10	81.6	
15/16"	730102HRC	102" Main Beam	102 x 15/16 x 2.44"	–	41.1	18.6	12.8	24" 48"	20.55 10.27	9.3 4.65*	6.4 3.2	•	10	85	
15/16"	730144HRC	144" Main Beam	144 x 15/16 x 2.44"	–	41.1	18.6	12.8	24" 48"	20.55 10.27	9.3 4.65*	6.4 3.2	•	10	120	
StrongBack™ Compatible Heavy-duty Main Beam Options (used in combination with StrongBack Support hanger)															
Prelude® 15/16"	7301	12' HD Main Beam	144 x 15/16 x 1-11/16"	–	–	19.93	14.42	24" 48"	– 13.5 6.75*	– 7.21 3.60	–	•	–	240	
Suprafine® 9/16"	7501	12' HD Main Beam	144 x 9/16 x 1-11/16"	–	–	19.73	13.66	24" 48"	– 11.9 5.95*	– 6.85 3.42	–	•	–	240	
Silhouette® 9/16"	7601 HD	1/4" reveal	144 x 9/16 x 1-3/4"	–	–	18.4	14.78	24" 48"	– 13.05 6.52*	– 7.35 3.67	–	•	–	240	
	76018 HD	1/8" reveal	144 x 9/16 x 1-3/4"	–	–	–	–	–	–	–	–	•	–	240	
Interlude® 9/16"	6101	12' HD Main Beam	144 x 9/16 x 1-3/4"	–	–	17.46	12.33	24" 48"	– 12.5 6.12*	– 7.25 3.62	–	•	–	240	
StrongBack Support Hangers (use in combination with 9/16" Heavy-duty Main Beams)															
	SH12	StrongBack Support Hanger	144 x 2 x 2" (Locking tabs 8" O.C.)	–	–	–	–	–	–	–	–	–	200	–	
Cross Tees (More cross tees available. See specific suspension system family pages in this catalog.)															
Prelude XL 15/16"	XL7341	4' Cross Tee	48 x 15/16 x 1-11/16"	–	16.59	–	–	–	–	–	–	–	–	240	
	XL7342	4' Cross Tee	48 x 15/16 x 1-1/2"	–	9.00	–	–	–	–	–	–	–	–	240	
	XL7340	4' Cross Tee	48 x 15/16 x 1-11/16"	–	12.25	–	–	–	–	–	–	–	–	240	
	XL7328	2' Cross Tee	24 x 15/16 x 1-3/8"	40.45	–	–	–	–	–	–	–	–	–	120	
Suprafine XL 9/16"	XL7540	4' Cross Tee	48 x 9/16 x 1-11/16"	–	10.34	–	–	–	–	–	–	–	–	240	
	XL7549	4' Cross Tee	48 x 9/16 x 1-11/16"	–	16.00	–	–	–	–	–	–	–	–	240	
	XL7520	2' Cross Tee	24 x 9/16 x 1-1/2"	51.83	–	–	–	–	–	–	–	–	–	120	
Silhouette XL 1/4" reveal 9/16"	XL7645	4' Cross Tee (Center-notched, both sides)	48 x 9/16 x 1-3/4"	–	12.00	–	–	–	–	–	–	–	–	240	
	XL7640	4' Cross Tee (Unnotched)	48 x 9/16 x 1-3/4"	–	13.53	–	–	–	–	–	–	–	–	240	
Silhouette XL 1/8" reveal 9/16"	XL7645B	4' Cross Tee (Center-notched, one side)	48 x 9/16 x 1-3/4"	–	12.00	–	–	–	–	–	–	–	–	240	
	XL76208	2' Cross Tee (Unnotched)	24 x 9/16 x 1-3/4"	69.69	–	–	–	–	–	–	–	–	–	120	
Interlude XL 9/16"	XL6140	4' Cross Tee	48 x 9/16 x 1-3/4"	–	12.60	–	–	–	–	–	–	–	–	240	
	XL6120	2' Cross Tee	24 x 9/16 x 1-3/4"	66.89	–	–	–	–	–	–	–	–	–	120	
Item No.	Description	Dimensions (Inches)	Lin. Ft./Ctn.	SingleSpan Lateral Support Bar				Face	Item No.	Description	Dimensions (Inches)	Lin. Ft./Ctn.	SingleSpan Structural Wall Angle		
LSB4HRC	48" Lateral Support Bar	48 x 2.16"	40	12'	SWA9854HRC	Structural Wall Angle	144 x 1-1/4"	144	Structural wall angle is required when hanger wires are greater than 24" from the wall.						
LSB6HRC	72" Lateral Support Bar	72 x 2.16"	60	12'	SWA9878HRC	Structural Wall Angle	144 x 7/8"	144							
LSB8HRC	96" Lateral Support Bar	96 x 2.16"	80									Clips			
LSB10HRC	120" Lateral Support Bar	120 x 2.16"	100									XTAC	Cross Tee Adapter Clip	–	100
LSB12HRC	144" Lateral Support Bar	144 x 2.16"	120									BERC2	Beam End Retaining Clip	–	200

* Requires the use of XL7340 or similar load rating cross tee

DETAILS For more information, see submittal CS-3344.



SONATA® XL® Dimensional Tee System

10-YEAR
Availability

UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste might
recycled content
local* materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1192)
- Co-extruded steel provides crisp edge and profile detailing and excellent corrosion resistance
- XL² staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- Accommodates virtually any fixture, especially 1' x 4' light fixtures
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Some items available in metric sizes.


TYPICAL APPLICATIONS

- Offices
- Lobbies and corridors
- Conference rooms
- Retail
- Hospitality

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.				Fire Guard™	Seismic Category 	Pcs./ Ctn.	Lin. Ft./ Ctn.
				2 Ft.	30"	4 Ft.	5 Ft.				
Sonata											
9/16"	6501	12' HD Main Beam	144 x 9/16 x 1-13/16"	–	–	19.42	–	–	•	50	144
9/16"	6500 _ _♦	12' ID Main Beam	144 x 9/16 x 1-13/16"	–	–	15.92	–	–	–	40	144
9/16"	6506 _ _♦	10" ID Main Beam	120 x 9/16 x 1-13/16"	–	–	15.92	–	–	–	34	120
9/16"	XL6561 _ _♦	5' Cross Tee	60 x 9/16 x 1-13/16"	–	–	–	6.43	–	–	50	180
9/16"	XL6541 _ _♦	4' Cross Tee	48 x 9/16 x 1-13/16"	–	–	15.88	–	–	–	36	144
9/16"	XL6531 _ _♦	30" Cross Tee	30 x 9/16 x 1-13/16"	–	30.9	–	–	–	–	36	90
9/16"	XL6521 _ _♦	2' Cross Tee	24 x 9/16 x 1-13/16"	42.0	–	–	–	–	–	36	72
9/16"	XL6511	1' Cross Tee	12 x 9/16 x 1-13/16"	42.0	–	–	–	–	–	36	36
Molding											
9/16"	7821	12' Shadow Molding	144 x 9/16 x 15/16 x 3/16 x 3/8"	–	–	–	–	–	–	30	360

* Simple Span
♦ Add 2-letter color suffix to item number when specifying or ordering (ex. 6500S Q)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

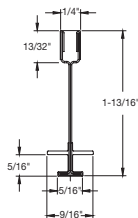


DETAILS

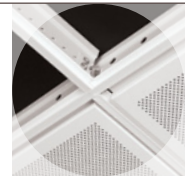
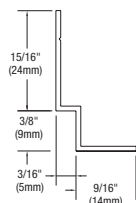
For more information, see submittal BPCS-3209.



SONATA Main Beam and Cross Tee



SONATA Shadow Molding



TRIMLOK®

Screw Slotted Tee System

UP TO **50%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local* materials

*LOCATION DEPENDENT

KEY SELECTION ATTRIBUTES

- Painted extruded aluminum construction for excellent corrosion resistance
- Threaded screw-slot reveal for easy partition attachment using a 5/16" – 18 N.C. thread screw
- Integral hook-type end detail for secure locked connection and easy removability
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products

TYPICAL APPLICATIONS

- Offices
- Lobbies
- Corridors
- Conference rooms
- Non-magnetic areas/MRI suites

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing*		Fire Guard™	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				4 Ft.	5 Ft.				
Trimlok Main Beams						Dots represent high level of performance.			
9/16"	2155	12' ID Main Beam – Notched 24" O.C.	144 x 9/16 x 1-7/8"	12.84	–	–	–	24	288
9/16"	2198	10' ID Main Beam – Notched 60" O.C.	120 x 9/16 x 1-7/8"	12.84	–	–	–	24	240
9/16"	2197	10' ID Main Beam – Notched 30" O.C.	120 x 9/16 x 1-7/8"	12.84	–	–	–	24	240
9/16"	2161	5' Cross Tee – Unnotched	60 x 9/16 x 1-7/8"	–	–	–	–	48	240
9/16"	2186	5' Cross Tee – Center Notched	60 x 9/16 x 1-7/8"	–	–	–	–	48	240
9/16"	2156	4' Cross Tee – Center Notched	48 x 9/16 x 1-7/8"	11.01	–	–	–	48	192
9/16"	2157	4' Cross Tee – Unnotched	48 x 9/16 x 1-7/8"	11.01	–	–	–	48	192
9/16"	2188	30" Cross Tee – Unnotched	30 x 9/16 x 1-7/8"	–	–	–	–	48	120
9/16"	2158	2' Cross Tee – Unnotched	24 x 9/16 x 1-7/8"	73.51	–	–	–	48	96
9/16"	2162	20" Bridging Tee – Unnotched	20 x 9/16 x 1-7/8"	–	–	–	–	48	80
9/16"	2163	1' Bridging Tee – Unnotched	12 x 9/16 x 1-7/8"	–	–	–	–	96	96
Molding									
3/4"	2128	12' Angle Molding	144 x 3/4 x 3/4"	–	–	–	–	40	480
1/2"	2129	12' Shadow Molding	144 x 1 x 1 x 1/2"	–	–	–	–	40	480

* Simple Span

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

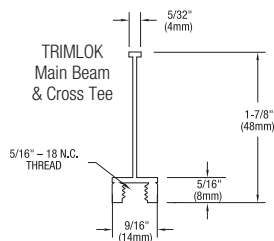
COLOR SELECTION



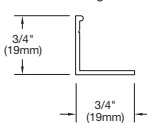
DETAILS



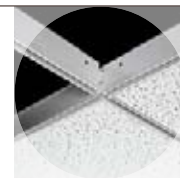
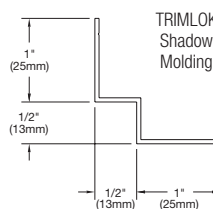
TRIMLOK Main Beam



TRIMLOK Angle Molding



TRIMLOK Shadow Molding



SUPRAFINE® XL® and ML & SUPRAFINE XL High Recycled Content

Exposed Tee System

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Cross tees available in ML and XL² (staked-on end detail); provides secure locked connection; easy to remove, reuse, and relocate
- Some items available in metric sizes
- 1-11/16" web height keeps components vertical and stable at light fixture interface
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- **FastSize™** main beams and cross tees can be ordered with special sizing and route spacing for your project needs in one carton minimums with two week lead times
- Fire Guard™ options offer UL design fire-rated performance

TYPICAL APPLICATIONS

- Offices
- Education
- Hospitality
- Retail
- Healthcare

NEW Blizzard White powder-coated finish coordinates with Optima®, Ultima® Calla™, and Lyra™ ceiling panels for a clean, seamless, monolithic installed visual.

NEW Available in coordinating Colorations™ colors.

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.*	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™ 	Seismic Category 	Pcs./Ctn.	Lin. Ft./Ctn.	
Suprafine XL and Suprafine XL High Recycled Content (Red Numbers are Fire Guard Items)					4 Ft.	5 Ft.	Dots represent high level of performance.				
9/16"	7501_ ♦♦ 7501HRC 8501	12' HD Main Beam	6" O.C.	144 x 9/16 x 1-11/16"	16.86	10.62	–	•	20	240	
							–	•	20	240	
							•	•	20	240	
9/16"	7500_ ♦ 8500	12' ID Main Beam	6" O.C.	144 x 9/16 x 1-11/16"	12.75	5.74	–	–	20	240	
							•	–	20	240	
9/16"	7502_ ♦	10' ID Main Beam	6" O.C.	120 x 9/16 x 1-11/16"	12.75	5.74	–	–	20	200	
9/16"	XL7580_ ♦	8' Cross Tee	12" O.C.	96 x 9/16 x 1-11/16"	12.73**	–	–	•	20	160	
9/16"	XL7590_ ♦	6' Cross Tee	12" O.C.	72 x 9/16 x 1-11/16"	12.73**	–	–	•	20	120	
9/16"	XL7558_ ♦	5' Cross Tee	6", 20", 30"	60 x 9/16 x 1-11/16"	–	5.80	–	•	60	300	
9/16"	XL7541HRC	4' Cross Tee	–	48 x 9/16 x 1-11/16"	12.73	–	–	•	60	240	
9/16"	XL7540_ ♦♦ XL8540	4' Cross Tee	12" O.C.	48 x 9/16 x 1-11/16"	10.34	–	–	•	60	240	
							•	•	60	240	
9/16"	XL7549_ ♦	4' Cross Tee	–	48 x 9/16 x 1-11/16"	16.42	–	–	•	60	240	
9/16"	XL7530_ ♦	3' Cross Tee	–	36 x 9/16 x 1-11/16"	–	–	–	•	60	180	
9/16"	XL7570_ ♦	30" Cross Tee	–	30 x 9/16 x 1-11/16"	28.67	–	–	•	60	150	
9/16"	XL7520_ ♦♦ XL7520HRC XL8520	2' Cross Tee	–	24 x 9/16 x 1-11/16"	51.83	–	–	•	60	120	
							•	•	60	120	
							•	•	60	120	
9/16"	XL7510_ ♦	1' Cross Tee	–	12 x 9/16 x 1-11/16"	51.83	–	–	•	120	120	
9/16"	NEW FastSize™	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Route spacing 3" from ends, 6" thereafter								Varies	Varies
Suprafine XL items for TechZone™ Ceiling Systems Additional items available in TechZone Technical Guide – BPCS-4486 or armstrong.com/techzone											
9/16"	7504_ ♦	120" HD Main Beam	15", 42", 48", 75", 102", 108"	120 x 9/16 x 1-11/16"	12.75	10.62	–	•	20	200	
9/16"	7505_ ♦	100" HD Main Beam	2", 26", 50", 74", and 98"	100 x 9/16 x 1-11/16"	–	–	–	•	20	166	
9/16"	7507_ ♦	144" HD Main Beam	15", 36", 42", 63", 84", 90", 11", 132", 138"	144 x 9/16 x 1-11/16"	–	–	–	•	20	240	
9/16"	7508_ ♦	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122"	132 x 9/16 x 1-11/16"	–	–	–	•	20	220	
9/16"	TZXL7556_ ♦	56" Cross Tee	–	56 x 9/16 x 1-11/16"	–	–	–	•	60	280	
9/16"	XL7564_ ♦	54" Cross Tee	6", 27", 48"	54 x 9/16 x 1-11/16"	–	–	–	•	60	270	
9/16"	XL7562_ ♦	42" Cross Tee	–	42 x 9/16 x 1-11/16"	12.34	–	–	•	60	210	
9/16"	XL7528_ ♦	28" Cross Tee	–	28 x 9/16 x 1-11/16"	–	–	–	•	60	140	
9/16"	XL7561_ ♦	21" Cross Tee	–	21 x 9/16 x 1-11/16"	–	–	–	•	60	105	
9/16"	XL7506_ ♦	6" Cross Tee	–	6 x 9/16 x 1-11/16"	–	–	–	•	240	120	



* Simple Span **Wire at 4' ♦Items available in Standard, Premium, and Blizzard White powder-coated finish
♦ Items available in Blizzard White powder-coated finish only
When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

SUSPENSION SYSTEMS

SUPRAFINE® XL® and ML & SUPRAFINE XL High Recycled Content Exposed Tee System



UP TO **63%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local materials

10% Pre-consumer
53% Post-consumer

*LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Face Profile	Item No.*	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.		Fire Guard™ 	Seismic Category 	Pcs./Ctn.	Lin. Ft./Ctn.
Suprafine ML					4 Ft.	5 Ft.	Dots represent high level of performance.			
9/16"	ML7540_ _ ♦	4' Cross Tee	–	48 x 9/16" x 1-11/16"	10.34	–	–	–	60	240
9/16"	ML7520_ _ ♦	2' Cross Tee	–	24 x 9/16" x 1-11/16"	51.80	–	–	–	60	120

* Simple Span
 ** Wire at 4'
 ♦ Items available in Standard, Premium, and Blizzard White powder-coated finish
 ♦ Items available in Blizzard White powder-coated finish only
 When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

ASTM Class
 HD - Heavy-duty
 ID - Intermediate-duty
 LD - Light-duty

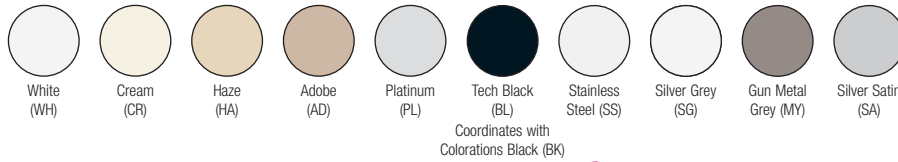
Item No.	Description	Length	(A) Flange	(B) Flange	(C) Flange	Pcs./Ctn.	Lin. Ft./Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 269-270)							
7808_ _ ♦	10' Hemmed Angle Molding	120"	2"	2"	–	10	100
7804_ _ ♦	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7804HRC	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7835	10' Channel Molding	120"	7/8"	1-3/4"	3/8"	20	200
7873_ _ ♦	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
7874_ _ ♦	10' Shadow Molding	120"	9/16"	15/16"	1/4"	30	300
7878_ _ ♦♦♦	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	30	300

♦♦♦ Suitable for IBC Category D,E,F installations using Armstrong Seismic Rx® and BERC2 Clip

ACCESSORIES For accessories see pages 271-272.

COLOR AND FINISH SELECTION

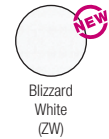
Standard



Premium

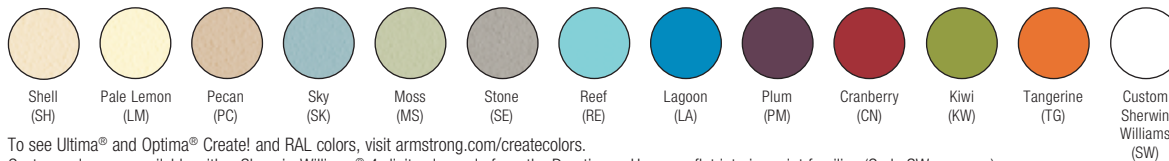


Powder-coated Finish*



Coordinates with Colorations Black (BK)

Colorations™ (Coordinates with Calla™ Colorations Panels and Axiom Trim) **NEW**



To see Ultima® and Optima® Create! and RAL colors, visit armstrong.com/createcolors.

Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

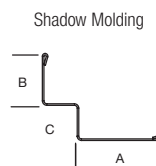
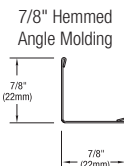
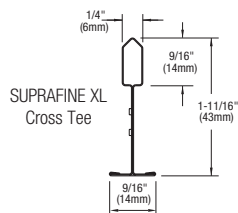
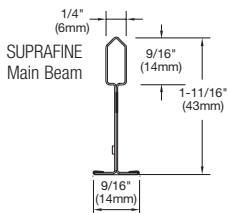
DETAILS For more information, see submittal CS-3077.



SUPRAFINE XL Cross Tee



SUPRAFINE ML Cross Tee



MOLDINGS

UP TO **30%** RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt
recycled content
local materials

*LOCATION DEPENDENT

Angle molding, shadow molding, channel molding, and other wall moldings are an important detail in the design and installation of each ceiling system. Wall moldings offer a unique solution to each ceiling system by maintaining a consistent look and performance to each design.

Flex molding:
Steel base with flexible vinyl facing, minimum bending radius 6"

Item #	Length	(A) Flange	(B) Height	(C) Reveal	Lin. Ft./ Ctn.
7880 _*	96"	1"	1"	-	96
7882 _*	96"	7/8"	15/16"	-	96
7884 _*	96"	15/16"	15/16"	-	96
7885 _*	96"	9/16"	1"	-	96
7887	96"	2"	1-1/2"	-	96
Shadow					
7890	96"	3/4"	1-5/8"	3/4"	96
7898	96"	9/16"	1"	3/8"	96

* Available in Black and White.

Channel molding:

Item #	Length	(A) Flange	(B) Height	(C) Reveal	Lin. Ft./ Ctn.
7830	120"	15/16"	1-15/16"	15/16"	160
7831	120"	15/16"	1-9/16"	15/16"	200
7834	120"	15/16"	1-1/4"	1/2"	240
7835 _*	120"	7/8"	1-3/4"	9/16"	200
7835SC **	11"	7/8"	1-3/4"	9/16"	150
HD7831WA ***	120"	7/8"	1-3/4"	9/16"	200

* Available in Gun Metal Grey and Silver Grey
** Unpainted spreader channel
*** White aluminum

Angle molding:
Hemmed with prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height	Lin. Ft./ Ctn.
7800 _*	144"	7/8"	7/8"	360
7800HRC	144"	7/8"	7/8"	360
7802	120"	7/8"	7/8"	300
7803 _****	144"	7/8"	7/8"	360
7804 _**	144"	9/16"	7/8"	360
7804HRC	144"	9/16"	7/8"	360
780410	120"	9/16"	7/8"	300
7805	120"	1-1/2"	1-1/2"	300
7807 _*****	120"	2"	1"	100
7808 _*****	120"	2"	2"	100
780812	144"	2"	2"	120
7809	144"	15/16"	15/16"	360
7813	120"	3"	1"	200
HD7801 _****	120"	7/8"	7/8"	300
HD7801G90	120"	7/8"	7/8"	300
SS7801	120"	7/8"	7/8"	300
AL7801	120"	7/8"	7/8"	300
SWA9854HRC	144"	1-1/4"	1-1/4"	144
SWA9898HRC	144"	7/8"	7/8"	144

* Available in Adobe, Black Brass, Cream, Haze, Mirror, Camel, White, Platinum, Oyster, Pewter, Bronze, Silver, Copper, Wolf, Vanilla, Slate, White Aluminum, and Natural Aluminum
** Available in Black, Cream, Haze, Platinum, White, Camel, Silver Grey, Silver Satin, and Gun Metal Grey
*** Available in Silver Satin, Hot Dipped Clear Galvanized, Silver Grey, Gun Metal Grey, White Aluminum, Natural Aluminum, G90
**** Prepunched
***** Available in Black, White, Silver Grey, and Gun Metal Grey

Slip-on molding:
For glue-up tile

Item #	Length	(A) Flange	(B) Height	Lin. Ft./ Ctn.
7841	120"	1/2"	1/2"	400
7842	120"	1/2"	5/8"	400
7843	120"	1/2"	3/4"	400

"F" molding:
For 1/2" and 5/8" drywall

Item #	Length	(A) Width	(B) Face	(C) Flange	Lin. Ft./ Ctn.
7852	120"	1/2"	1-3/16"	7/8"	200
7856	120"	5/8"	1-3/4"	7/8"	200

Shadow molding:
Hemmed with prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height	(C) Reveal	Lin. Ft./ Ctn.
7823 *	120"	2"	1-1/4"	3/4"	100
7871	120"	3/4"	15/16"	3/4"	300
7873	120"	9/16"	15/16"	3/8"	300
7874	120"	9/16"	15/16"	1/4"	300
7875	120"	3/4"	15/16"	1/2"	300
7877 *	120"	15/16"	15/16"	1/4"	300
7878 *	120"	15/16"	15/16"	3/8"	300
7897 *	120"	15/16"	15/16"	1/2"	300

* Suitable for IBC Category D, E, F installations.
Note: Shadow molding can be rotated to be used with either flange. For molding corner covers see page 272.

Fascia molding:
Prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height	Lin. Ft./ Ctn.
7814	120"	1"	4"	50
7816	120"	1"	6"	50
7818	120"	1"	8"	50

Locking Angle Molding System	Item #	(A) Flange	(B) Height	Pcs./ Ctn.
LWA		7/8"	7/8"	26
LWAWT12	Wall Track Mounting Rail			26
LWAGU12	12" Locking Wall Gusset			78
LWAGU8	8" Locking Wall Gusset			78

Reverse angle molding:
Hemmed with prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height	Lin. Ft./ Ctn.
7857	144"	15/16"	15/16"	360
7858	144"	1-9/16"	15/16"	240

For more information, see submittal BPCS-3296.

SUSPENSION SYSTEMS

TRANSITION MOLDINGS

30% RECYCLED CONTENT
armstrong.com/greengenie

LEED®

waste mgmt

recycled content

local* materials

*LOCATION DEPENDENT

PRODUCT DESCRIPTION

Why use transition moldings

- Easier to install:
 - Available CAD drawings
 - One part number
 - Factory painted to match Armstrong Suspension Systems
- Easier to install:
 - Fewer parts and pieces; combines molding with drywall taping flange
 - Pre-punched vertical web to improve screw attachment
 - Knurled and slotted integral taping flange on items 7901, 7902, 7904, 7905, 7906, 7907, 7908 accommodates taping and finishing
- Protective film on the face of the wall molding flange of 7904PF and 7905PF facilitates faster, easier mudding, sanding, and taping
- Protective film on the face of the wall molding flange of 7904PF and 7905PF facilitates faster, easier mudding, sanding, and taping

Transition moldings save time and money.



1 Item: 7907 – 9/16" Tegular Transition Molding

Conventional transition methods waste time and material.



Transition moldings eliminate:

- 1 Vertical drywall return at the transition
- 2 Return framing to support drywall return
- 3 Separate acoustical wall angle installation
- 4 Corner bead and vertical taping

NOTE: Lay out drywall main beams parallel to the transition molding to maintain 4' O.C. hanger wire spacing.

MATERIALS

Commercial-quality cold rolled hot dipped galvanized steel, chemically cleansed.

COLOR



Item No.	Description	Lin. Ft./ Ctn.		
7901	9/16" Shadow Reveal Transition Molding 120", 3/8" shadow reveal with 9/16" horizontal flange	120		
7902	15/16" Shadow Reveal Transition Molding 120", 3/8" shadow reveal with 15/16" horizontal flange	120		
7903	1" Flush T Transition Molding 120", 1" inverted T for monolithic horizontal transitions	120		
7904 NEW 7904PF*	15/16" Flush Transition Molding 120", 15/16" horizontal flange * Protective film applied to face of wall molding for easier finishing	120		
7905 NEW 7905PF*	9/16" Flush Transition Molding 120", 9/16" horizontal flange * Protective film applied to face of wall molding for easier finishing	120		
7906	"F" Vertical Transition Molding 120" vertical transition	120		
7907	9/16" Tegular Transition Molding 120", 9/16" horizontal flange	120		
7908	15/16" Tegular Transition Molding 120", 15/16" horizontal flange	120		

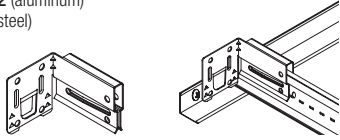


EXPOSED TEE SYSTEM ACCESSORIES

PRODUCT DESCRIPTION

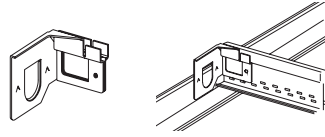
2" Beam End Retaining Clip – Joins main beam or cross tee to wall molding and web of suspension system with no visible pop rivets.

ALBERC2 (aluminum)
BERC2 (steel)



200 pcs/bucket

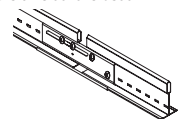
BERC – Beam End Retaining Clip – Joins web of main beam or cross tee to wall molding with no visible pop rivets.



200 pcs/bucket

Seismic Joint Clip – Main Beam – Allows the ceiling to be divided at a splice on the main beam to accommodate the IBC mandate for ceiling areas greater than 2500 SF to have seismic separation joints. ES4 expansion sleeve is used to cover 3/4" gap.

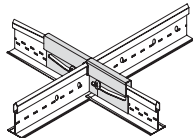
SJMR15 for 15/16"
SJMR09 for 9/16"



100 pcs/bucket

Seismic Joint Clip CT – Offers a tested seismic solution for separation joints in Seismic Category D, E, and F installations.

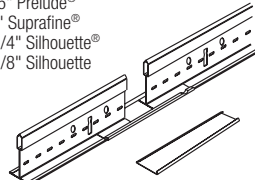
SJCG (PeakForm)
SJCSI (square bulbs)



200 pcs/bucket

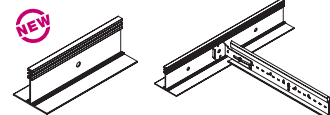
Expansion Sleeves

ES49 – for 15/16" Prelude®
ES49 – for 9/16" Suprafine®
ES76004 – for 1/4" Silhouette®
ES76008 – for 1/8" Silhouette



100 pcs/bucket

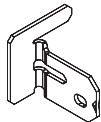
AXSJ-Axiom Slip Joint – Used to join two acoustical ceiling systems on seismic D, E, F installations. Can also be used to join two different ceiling systems. Hanger wire holes every 6", beginning 3" from each end.



120" length/each

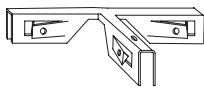
STAC – Single Tee Adapter Clip – Used to create code compliant non-seismic and seismic C and D, E, F off-module main beam to cross tee connections.

NEW



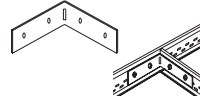
120 pcs/bucket

GC3W – Grip Clip 3-Way – Joins main beams to cross tee via locking barbs without pop rivets or screws.



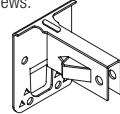
250 pcs/bucket

XTAC – Cross Tee Adapter Clip – Used to attach field-cut cross tees to main beams.
ARPLUG – Cross Tee Plug Clip



80 pcs/ctn

GCWA – Grip Clip Wall Attachment – Joins main beam or cross tee to wall molding via locking barbs without pop rivets or screws.



250 pcs/bucket

Closure Clips
MCC4 for Silhouette® 1/4" reveal
MCC8 for Silhouette 1/8" reveal
IES3 for Interlude®

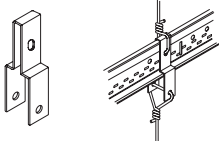
200 pcs/bucket

C1430 – Variable Placement Hook Clip – Attach to T-Bar to create special length tees and position anywhere along the main beams.



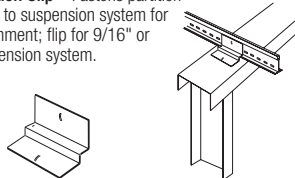
200 pcs/bucket

DLCC – Direct Load Ceiling Clip – To hang suspension system below existing 15/16" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling and to support heavy accessories.



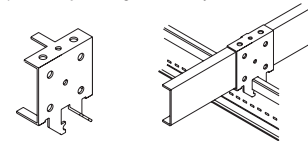
250 pcs/bucket

UPC – Partition Clip – Fastens partition track section to suspension system for secure attachment; flip for 9/16" or 15/16" suspension system.



200 pcs/bucket

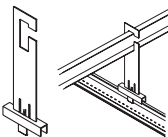
UTC – Uptight Clip – For tight suspension system attachment to 1-1/2" channel; bridging under HVAC ducts; can be used to install the suspension system tight to wood joists.



250 pcs/bucket

Channel Beam Splice – Used to suspend main beams to 1-1/2" black iron carrying channels.

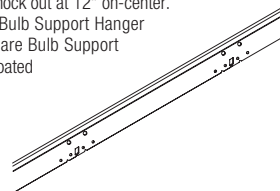
CBS4 – 4" 100 pcs/bucket
CBS6 – 6" 100 pcs/bucket
CBS8 – 8" 100 pcs/bucket
CBS10 – 10" 100 pcs/bucket
CBS12 – 12" 75 pcs/bucket
For 2" Black Iron
CBS2004A – 4" 75 pcs/bucket
CBS2006A – 6" 75 pcs/bucket
CBS2008A – 8" 75 pcs/bucket



250 pcs/bucket

SH12 – Peak Form Support Hanger – For suspension systems 12" knock out at 12" on-center.

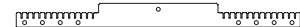
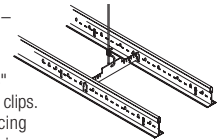
SB12 Square Bulb Support Hanger
SB12G90 Square Bulb Support Hanger G90 coated



12 pcs/bundle

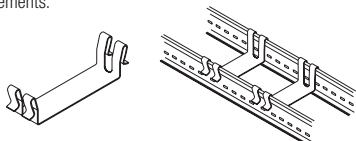
Adjustable Grid Spacer Clip –

Used to space two parallel main beams for light fixtures, air diffusers, etc.; allows for 1/4" adjustments with three different clips.
GSC9 1-4" Main Beam Spacing
GSC12 4-8" Main Beam Spacing
GSC16 8-16" Main Beam Spacing



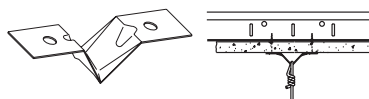
100 pcs/bundle

ABSC – Air Bar Spacer Clip – Parallel attachment of main beams; evenly spaces suspension system members for air diffuser; available in sizes from 1-7/8" to 6" in 1/8" increments.



250 pcs/bucket

DWC – Drywall Clip – Allows for a "second" ceiling to be installed below a drywall ceiling; attach through installed drywall to supporting structure; DWC approved for use in UL Designs P237, P239, P240, and P241.



250 pcs/bucket

7872 – 12" Stiffening Brace
20 pcs/bundle

7866 – Field Route Tool
1 pcs/carton

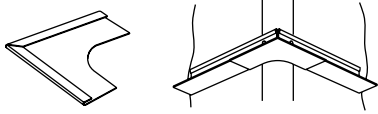
ARPLUG – Cross Tee Plug Clip
80 pcs/ctn

EXPOSED TEE SYSTEM ACCESSORIES

PRODUCT DESCRIPTION

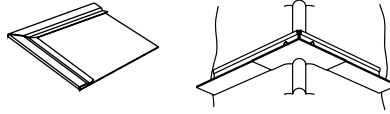
7866 – Bullnose Corner Cover – For nominal 7/8" molding; snap over molding to trim outside corners; fits 1" radius block; 2" legs.

7864 – Bullnose Corner Cover – For nominal 7/8" molding; fits 3/4" radius block; 2" legs.



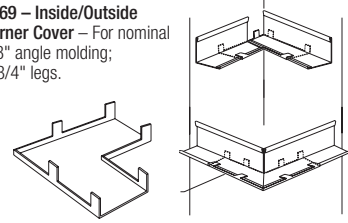
100 pcs/bucket

7867 – Field-Cut Corner Cover – For nominal 15/16" molding; cut to fit irregular corner conditions; 2" legs.



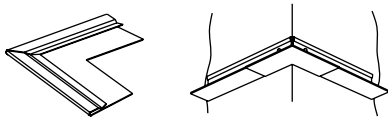
100 pcs/bucket

7869 – Inside/Outside Corner Cover – For nominal 7/8" angle molding; 1-3/4" legs.



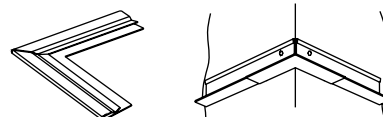
50 pcs/bucket

7863 – Outside Corner Cover – For nominal 7/8" angle molding; snap over molding to trim outside corners; 2" legs.



100 pcs/bucket

7865 – Outside Corner Cover – For nominal 9/16" angle molding; snap over molding to trim outside corners; 2" legs.



100 pcs/bucket

Shadow Mold – Inside Corner – Snaps over mold to easily trim inside corner:

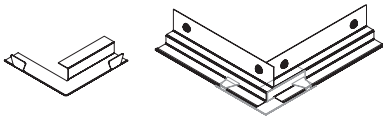
- 7874IC use with 7874
- 7861 use with 7873
- 7877IC use with 7877
- 7878IC use with 7878



100 pcs/bucket

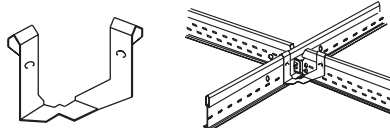
Shadow Mold – Outside Corner – snaps over mold to easily trim outside corner:

- 7874OC use with 7874
- 7862 use with 7873
- 7877OC use with 7877
- 7878OC use with 7878



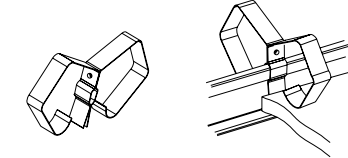
100 pcs/bucket

LFC – Fixture Clip – Prefinished White for use at corners of light fixture modules on 9/16" exposed tee suspension systems (Suprafine®, Interlude®, Silhouette®); increases corner size to 15/16" which adapts light fixtures designed for 15/16" the suspension system; used when fixtures are not positively attached to the suspension system.



80 pcs/bucket

414 – Retention Clip – Attaches to main beams and cross tees behind lay-in ceiling; helps prevent accidental panel displacement by basketballs and other forces from below the ceiling.



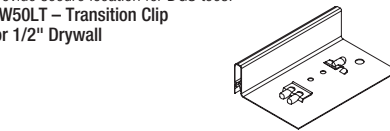
100 pcs/bucket

UHDC – Universal Hold Down Clip – Attaches to top bulb of the suspension system to hold 1/16" to 5/8" lay-in panel in place; helps to prevent ceiling panel fluttering at entryways.
CHDC – Clear Hold Down Clip



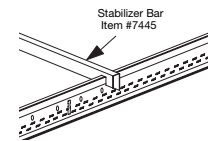
Steel – 1,000 pcs/bucket; Clear – 50 pcs/bucket

DW58LT – Transition Clip for 5/8" Drywall – Facilitates transition from drywall to acoustical ceiling; one-sided hold down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS tees.
DW50LT – Transition Clip for 1/2" Drywall



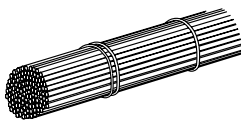
125 pcs/bucket

7445 – 48" Stabilizer Bar
7425 – 24" Stabilizer Bar
Used to maintain uniform spacing of suspension system components (main beams and cross tees).



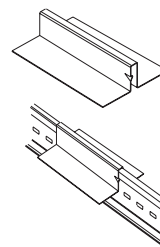
100 pcs/carton

7891 – 12 Gauge Soft Hanger Wire (12' length) – Used to hang suspended ceilings from structural deck.



100 pcs/bucket

EHDC50 – Exterior Hold Down Clip for 1/2" lay-in ceiling panels and drywall;
EHDC58 – Exterior Hold Down Clip for 5/8" lay-in ceiling panels and drywall;
EHDC75 – Exterior Hold Down Clip for 3/4" lay-in ceiling panels and drywall; locks under bulb of suspension system member to prevent upward movement.



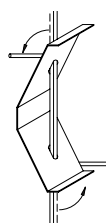
125 pcs/bucket

GA7327 – Grid Adapter – Allows for easy directional changes of Prelude Main® beams; 27" long component has two different end details. One end has a SuperLock™ clip with a route 3" from the end, opposite end has an XL2 clip with override end detail. This enables the adapter to be connected to either end of a Prelude main beam or plugged into a route location on a main beam or cross tee.



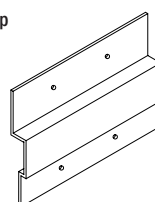
60 pcs/carton

WS12 – Hanger Wire Splice – Splices #12 gauge hanger wire; recommended for renovation applications; provides easy adjustment of ceiling height.



1,000 pcs/bucket

BAGG90A – Wind Uplift Clip



250 pcs/bucket

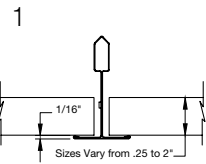
12 lb. Aircraft Cable and Connectors
AC1210 – 10' length
AC1215 – 15' length
AC1220 – 20' length
ACHC – Cable Quick Loop Connector

1 pc/carton

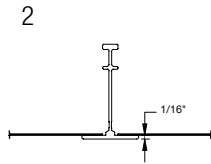


CEILING/SUSPENSION SYSTEMS INTERFACE DRAWINGS

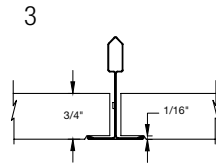
15/16" LAY-IN & FLUSH TEGULAR EDGE DETAILS



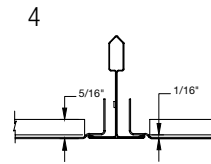
Square Lay-in for 15/16" PRELUDE®
Sizes Vary from .25 to 2"



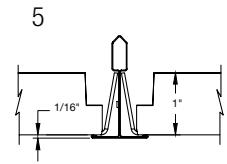
Lay-in for 15/16" SERPENTINA®



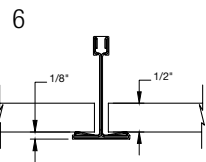
Flush Tegular for 15/16" PRELUDE



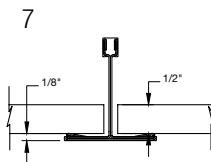
METALWORKS Flush Tegular for 15/16" PRELUDE



SecureLock for 15/16" METALWORKS™

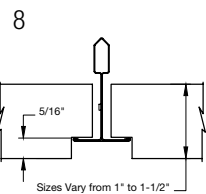


Square Lay-in for 15/16" Clean Room

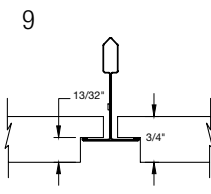


Square Lay-in for 1-1/2" Clean Room

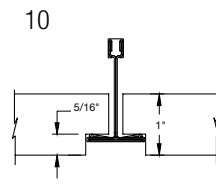
15/16" TEGULAR EDGE DETAILS



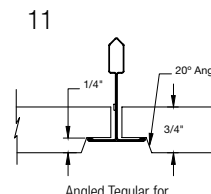
Square Tegular for 15/16" PRELUDE
Sizes Vary from 1" to 1-1/2"



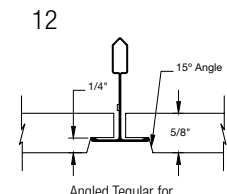
Square Tegular for 15/16" PRELUDE



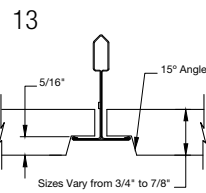
Square Tegular for 15/16" Clean Room



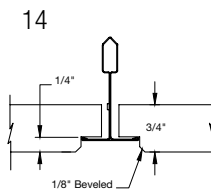
Angled Tegular for 15/16" PRELUDE (Second Look-Cortega®, Dune™, Fine Fissured™)



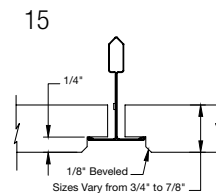
Angled Tegular for 15/16" PRELUDE (703, 704, 705, 1732, 1833, and 1853)



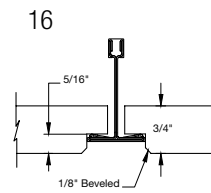
Angled Tegular for 15/16" PRELUDE
Sizes Vary from 3/4" to 7/8"



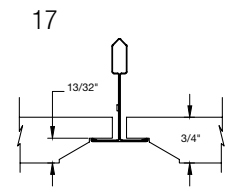
Beveled Tegular for 15/16" PRELUDE (Cirrus®, Second Look)



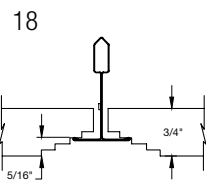
Beveled Tegular for 15/16" PRELUDE
1/8" Beveled
Sizes Vary from 3/4" to 7/8"



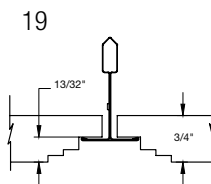
Beveled Tegular for 15/16" Clean Room (Ultima®, Health Zone™)



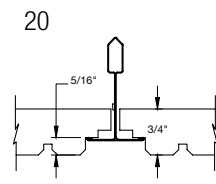
Chamfered Tegular for 15/16" PRELUDE



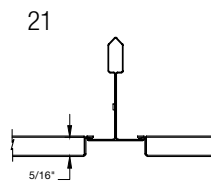
Stepped Tegular for 15/16" PRELUDE



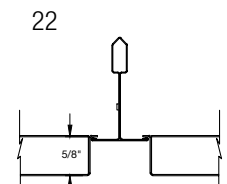
Stepped Tegular for 15/16" PRELUDE (626 only)



Linear/Cubic Beveled GRAPHIS® for 15/16" PRELUDE

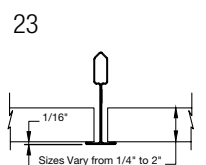


METALWORKS 5/16" Square Tegular for 15/16" PRELUDE

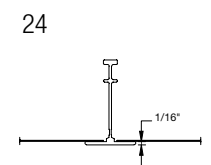


METALWORKS 5/8" Square Tegular for 15/16" PRELUDE

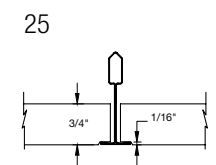
9/16" LAY-IN & FLUSH TEGULAR EDGE DETAILS



Square Lay-in for 9/16" SUPRAFINE®
Sizes Vary from 1/4" to 2"



Lay-in for 9/16" SERPENTINA



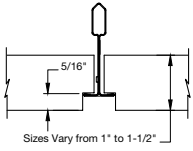
Flush Tegular for 9/16" SUPRAFINE

SUSPENSION SYSTEMS

CEILING/SUSPENSION SYSTEMS INTERFACE DRAWINGS

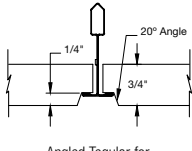
9/16" TEGULAR EDGE DETAILS

26



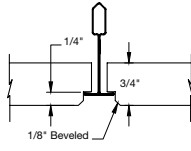
Square Tegular for 9/16" SUPRAFINE®

27



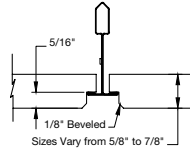
Angled Tegular for 9/16" SUPRAFINE (Second Look®-Cortega®, Dune™, Fine Fissured™)

28



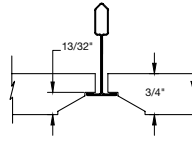
Beveled Tegular for 9/16" SUPRAFINE (Cirrus®, Second Look)

29



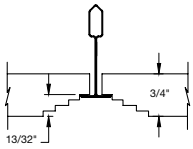
Beveled Tegular for 9/16" SUPRAFINE

30



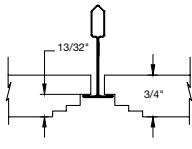
Chamfered Tegular for 9/16" SUPRAFINE

31



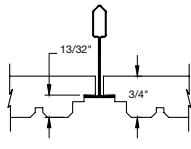
Stepped Tegular for 9/16" SUPRAFINE (591)

32



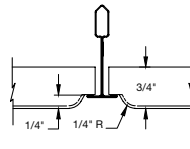
Stepped Tegular for 9/16" SUPRAFINE (585)

33



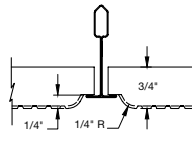
Linear/Cubic Beveled GRAPHIS® for 9/16" SUPRAFINE

34



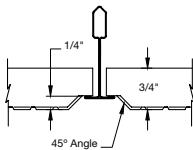
Wrapped Linear GRAPHIS for 9/16" SUPRAFINE

35



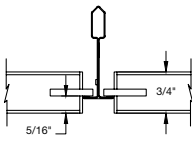
NeoCubic GRAPHIS for 9/16" SUPRAFINE

36



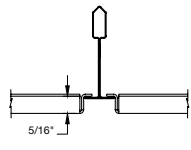
Cubic GRAPHIS for 9/16" SUPRAFINE

37



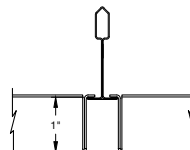
WOODWORKS® Tegular for 9/16" SUPRAFINE

38



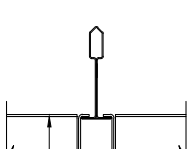
METALWORKS™ 3D (5960) for 9/16" SUPRAFINE

39



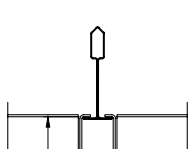
METALWORKS 3D (5961) for 9/16" SUPRAFINE

40



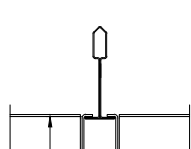
METALWORKS 3D (5962) for 9/16" SUPRAFINE

41



METALWORKS 3D (5963) for 9/16" SUPRAFINE

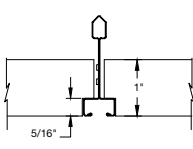
42



METALWORKS 3D (5964) for 9/16" SUPRAFINE

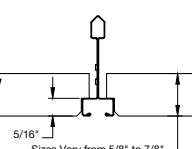
9/16" – 1/4" SILHOUETTE XL EDGE DETAILS

43



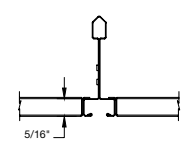
Square Tegular for 9/16" SILHOUETTE 1/4" Reveal

44



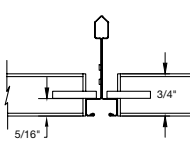
Beveled Tegular for 9/16" SILHOUETTE 1/4" Reveal

45



METALWORKS 9/16" Square Tegular for SILHOUETTE 1/4" Reveal

46

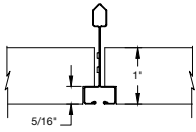


WOODWORKS 9/16" Square Tegular for SILHOUETTE 1/4" Reveal

CEILING/SUSPENSION SYSTEMS INTERFACE DRAWINGS

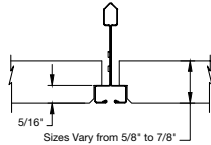
9/16" – 1/8" SILHOUETTE XL EDGE DETAILS

47



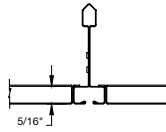
Square Tegular for
9/16" SILHOUETTE® 1/8" Reveal

48



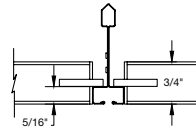
Beveled Tegular for
9/16" SILHOUETTE 1/8" Reveal

49



METALWORKS™ 5/16" Square Tegular for
SILHOUETTE 1/8" Reveal

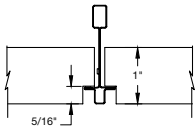
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WOODWORKS® Square Tegular for
SILHOUETTE 1/8" Reveal

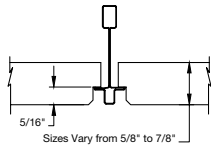
9/16" INTERLUDE XL EDGE DETAILS

51



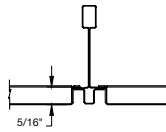
Square Tegular for
9/16" INTERLUDE®

52



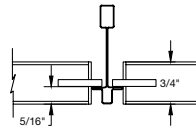
Beveled Tegular for
9/16" INTERLUDE

53



METALWORKS 5/16" Square Tegular for
INTERLUDE

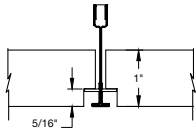
54



WOODWORKS Square Tegular for
INTERLUDE

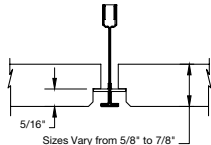
9/16" SONATA XL EDGE DETAILS

55



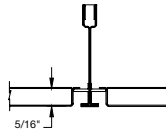
Square Tegular for
9/16" SONATA®

56



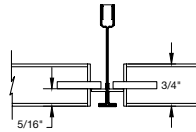
Square Tegular for
9/16" SONATA

57



METALWORKS 5/16" Square Tegular for
SONATA

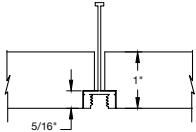
58



WOODWORKS Square Tegular for
SONATA

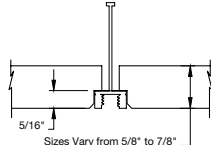
9/16" TRIMLOK EDGE DETAILS

59



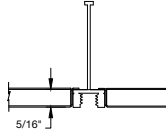
Square Tegular for
9/16" TRIMLOK®

60



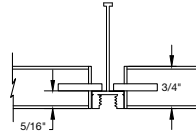
Square Tegular for
9/16" TRIMLOK

61



METALWORKS 5/16" Square Tegular for
TRIMLOK

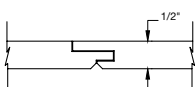
62



WOODWORKS Square Tegular for
TRIMLOK

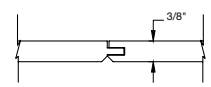
TONGUE AND GROOVE EDGE DETAILS

63



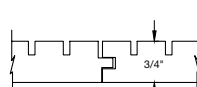
Tongue and Groove
Beveled Edge Tile

64



Beveled Tongue and Groove
Lineage Wood Looks

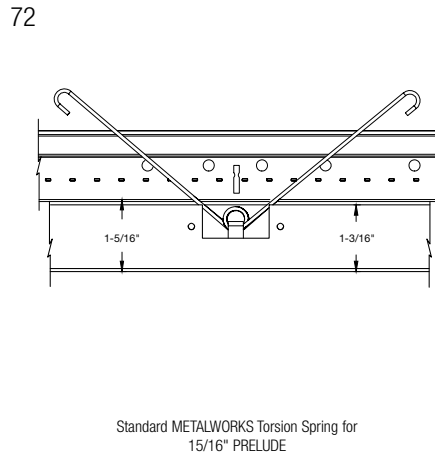
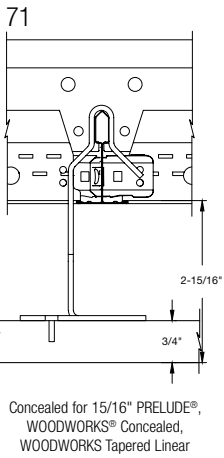
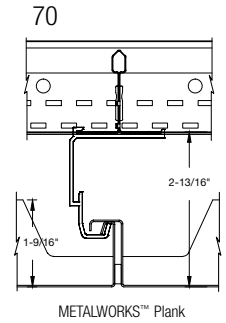
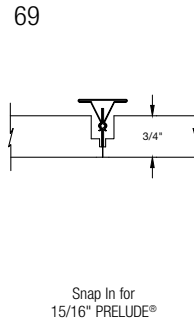
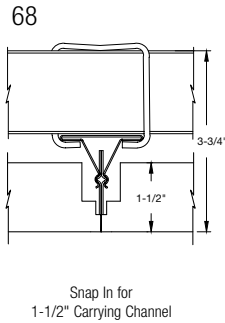
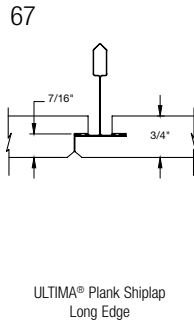
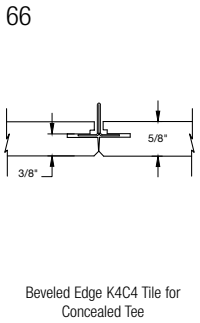
65



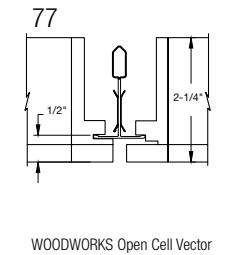
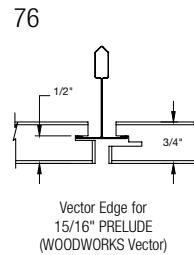
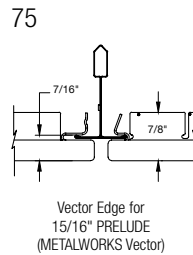
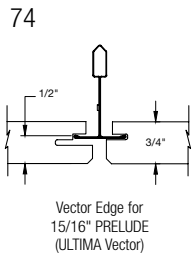
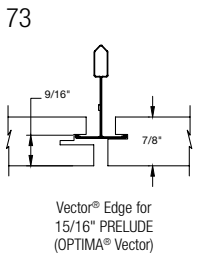
Tongue and Groove
WOODWORKS Channeled

CEILING/SUSPENSION SYSTEMS INTERFACE DRAWINGS

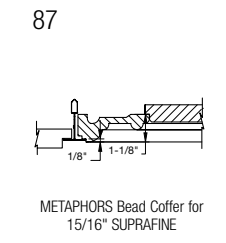
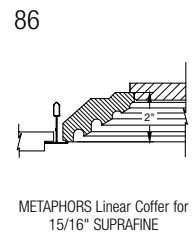
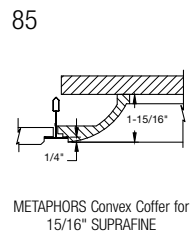
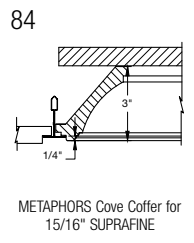
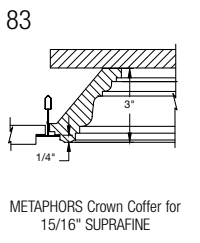
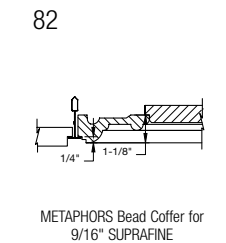
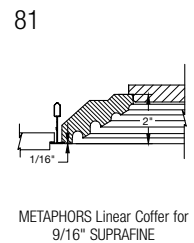
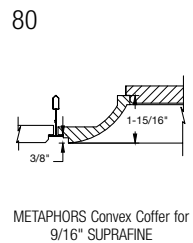
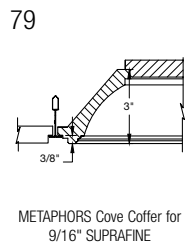
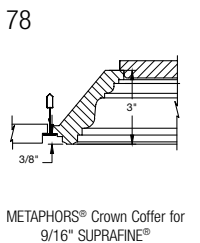
CONCEALED SUSPENSION EDGE DETAILS



VECTOR EDGE DETAILS



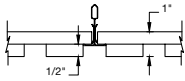
METAPHORS EDGE DETAILS



CEILING/SUSPENSION SYSTEMS INTERFACE DRAWINGS

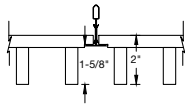
OTHER EDGE DETAILS

88



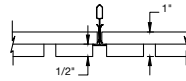
WOODWORKS® Grille Tegular
Horizontal Blades for
15/16" PRELUDE

89



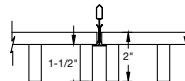
WOODWORKS Grille Tegular
Vertical Blades for
15/16" PRELUDE

90



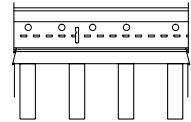
WOODWORKS Grille Tegular
Horizontal Blades for
9/16" SUPRAFINE

91



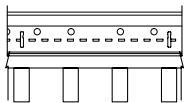
WOODWORKS Grille Tegular
Vertical Blades for
9/16" SUPRAFINE

92



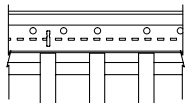
WOODWORKS Grille Backer
6 Blades - 2-1/4"

93



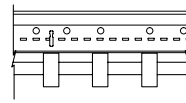
WOODWORKS Grille Backer
6 Blades - 1-3/8"

94



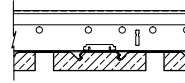
WOODWORKS Grille Dowel
6 Blades - 2-1/4"

95



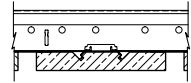
WOODWORKS Grille Dowel
6 Blades - 1-3/8"

96



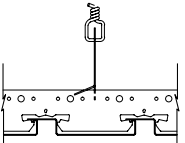
WOODWORKS Linear - 4-1/2" Module

97



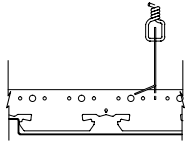
WOODWORKS Linear - 6" Module

98



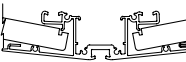
METALWORKS™ Linear - 4"

99



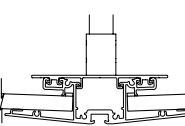
METALWORKS Linear - 8"

100



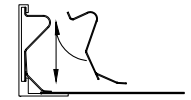
METALWORKS Wings™

101



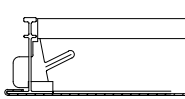
INFUSIONS® Wings

102



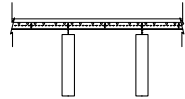
SERPENTINA® Waves

103



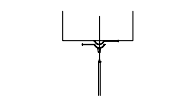
SERPENTINA Vault

104



SOUNDSCAPES® Blades™

105



METALWORKS Tin Nail Up

CEILING PANEL TOUCH-UP PAINT

Item No.	Description	Pcs./ Ctn.
789512	Touch-up Spray Paint 12oz	6
5760	SuperCoat™ Touch up Paint 8oz	6
5761	SuperCoat™ Touch up Paint 32oz	-

axiom – knife edge

MetalWorks™ Effects™ Linear in Dark Cherry
with Axiom® – Knife Edge® trim in Gun Metal Grey
Ai3 inc., Atlanta, GA



TRIM AND TRANSITIONS

AXIOM® TRIM & TRANSITIONS

At-a-Glance

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

Seismic

Category D, E & F

Color Availability

Available in color

NOTE: Add 2-digit color suffix to the item number when specifying or ordering Axiom trim with standard face-painted colors.

(Example: **AX16STR HA**)

Axiom item numbers may include an extra digit "3" before the color suffix if paint is required inside and outside of the trim.

AX16STR 3 HA

ITEM 360° Painted Haze

Use an extra suffix (W – white, or B – black) before color suffix when ordering film finishes to designate the color background.

AX16STR W BB

ITEM White background Buffed Bronze

NOTE: White is standard color for all Axiom products.

Reference individual Axiom product line data pages for specific color and finish availability.

Custom colors and finishes are available. Contact Axiom Customer Service at 1 800-840-8521.

AXIOM® TRIM



AXIOM – Building Perimeters

Color Availability Seismic pgs. 281-286



AXIOM – Classic

Color Availability Seismic pg. 287



AXIOM – Interlude®

Seismic pg. 288



AXIOM – Knife Edge®

Color Availability Seismic pg. 289



AXIOM – One-Piece Drywall Trim

Color Availability Seismic pg. 290



AXIOM – Paired

Color Availability Seismic pg. 291



AXIOM – Profiled

Color Availability Seismic pg. 292



AXIOM – Soft Edge

Color Availability Seismic pg. 293



AXIOM – Transitions

Color Availability pg. 294



AXIOM – Vector®

Color Availability Seismic pg. 295



AXIOM for Formations™

Color Availability Seismic pg. 296



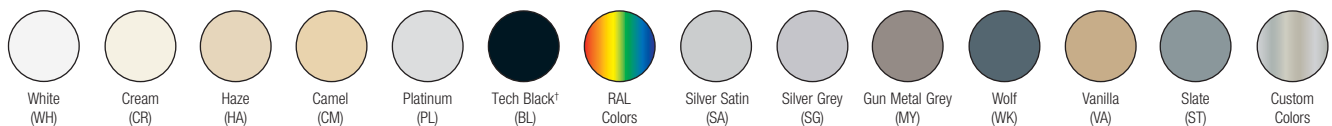
AXIOM – Moldings & Column Rings®

Color Availability pg. 297

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Standard



† Tech Black coordinates with Colorations Black (BK) NOTE: 360° paint finishes and custom colors available as special order

COLORATIONS™

(Coordinates with Calla™ Colorations ceiling panels and Suprafine® suspension systems)



BLIZZARD WHITE FINISH



WOOD LOOK FINISHES†



ARCHITECTURAL FILM FINISHES

(Available with white or black background)



NOTE: White is standard color for all AXIOM products.



axiom®

system overview

Axiom Trim & Transitions

- All Axiom® items contain 50% recycled content and are made in the U.S.A.
- Extruded aluminum trim provides crisp edge detailing and excellent corrosion resistance compared to steel systems
- Compatible with Armstrong suspension systems and Drywall Grid Systems
- Colors coordinate with Armstrong ceiling and suspension systems; custom RAL or Sherwin Williams colors available; 360° painted finish is available
- Design flexibility for straight and curved applications

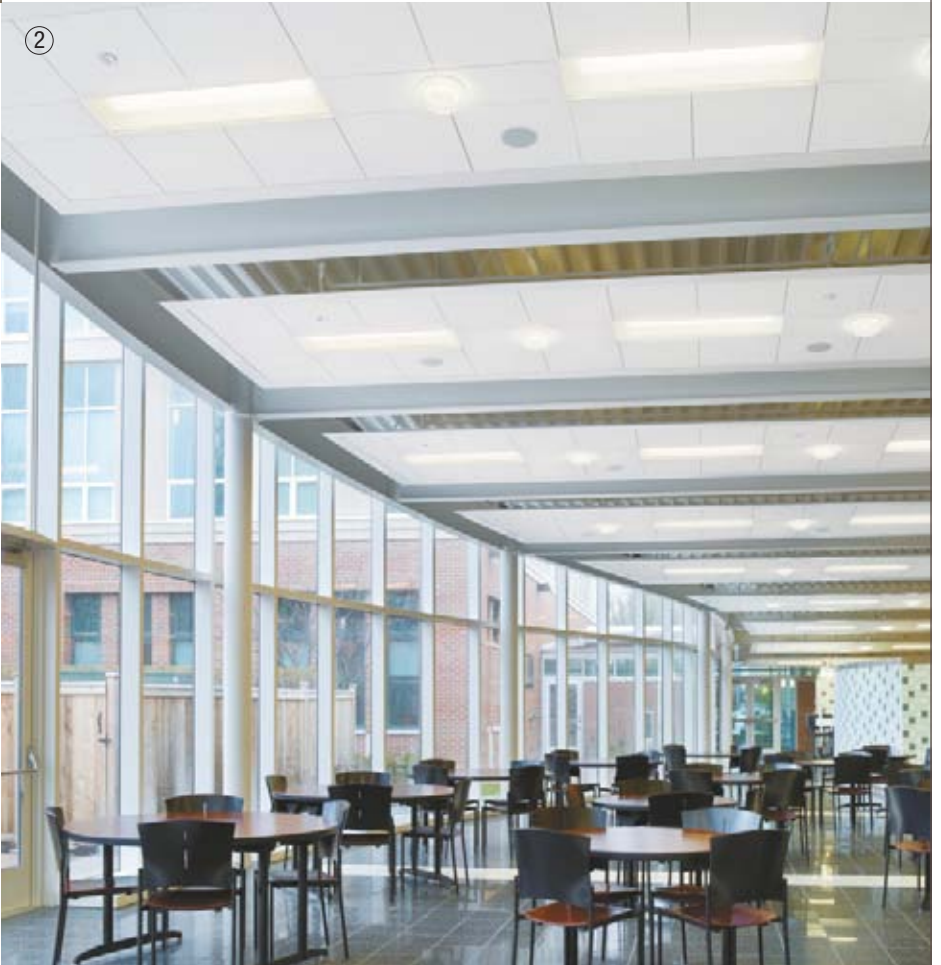
Custom looks for Clouds using standard components

Formations Accent & Acoustical Clouds

Made from standard ceiling panels (ordered separately) and a ready-to-assemble Axiom for Formations Trim and Suspension Kit, Formations Clouds enhance acoustics without sacrificing design.

- We've taken the guesswork out with precision, pre-cut, factory-mitered corners and curves
- Unique StrongBack™ mounting system hides cables and makes clouds appear to float

Details about Formations Clouds can be found on pages 33-36.



TRIM AND TRANSITIONS

Axiom Custom Options – Axiom custom service is available to help you create custom looks of all types, including perforations, cut-outs or whatever your project needs. Call 1 800 840 8521.

- 1 Axiom® Classic
- 2 Axiom®- Knife Edge®

AXIOM® – Building Perimeter System



KEY SELECTION ATTRIBUTES

- Reduces risk associated with field fabricated, labor-intensive accommodation of air distribution, window pockets, and ceiling elevation changes at the perimeter of a building
- Will replace the framing, drywall, taping, mudding, sanding, and painting commonly used for drywall transitions
- Custom slotting, perforating, and cutting available
- 30-year limited system warranty
- Works with Armstrong acoustical and drywall grid systems
- Provides an aesthetic platform to integrate functions such as drapery pockets, air distribution, and changes in ceiling elevation
- Allows quality control at the perimeter, reduces time required to detail and specify the integration of perimeter solutions

TYPICAL APPLICATIONS

- Offices
- Education
- Hospitality
- Healthcare
- Drapery Products

CREATE THE PERFECT PERIMETER

Now it's easy to retain complete window-to-wall ceiling plan design integrity with the Axiom Building Perimeter System.

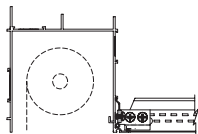
Use this pre-engineered extruded aluminum system around the perimeter of your acoustical or drywall ceiling to integrate air distribution, draperies, blinds, mechanical shades, or changes in ceiling elevations – without any visible fasteners.

Easy to specify... seismic components available... and complete technical and installation support ensure the results you've come to expect from Armstrong.

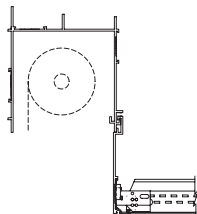
PERIMETER OPTIONS



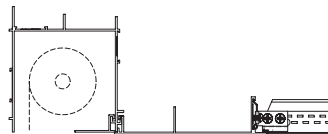
A Perimeter Pockets for a clean, seamless transition



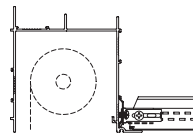
B For smooth changes in ceiling elevations, use Perimeter Pockets with extensions



C For air distribution next to windows and walls, use slotted diffuser face plates



D Complete seismic solutions available (shown above with 2" closure clip)



COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Standard



White (WH)



Cream (CR)



Haze (HA)



Camel (CM)



Platinum (PL)



Tech Black (BL)



Silver Satin (SA)



Silver Grey (SG)



Gun Metal Grey (MY)



Wolf (WK)



Vanilla (VA)



Slate (ST)



RAL Colors

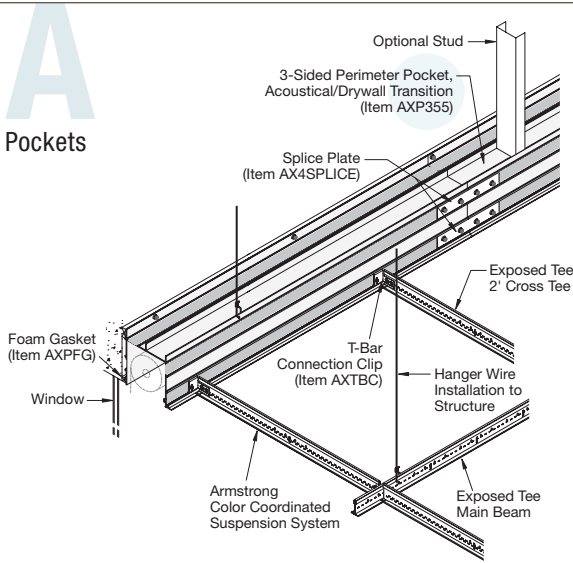


Custom Colors

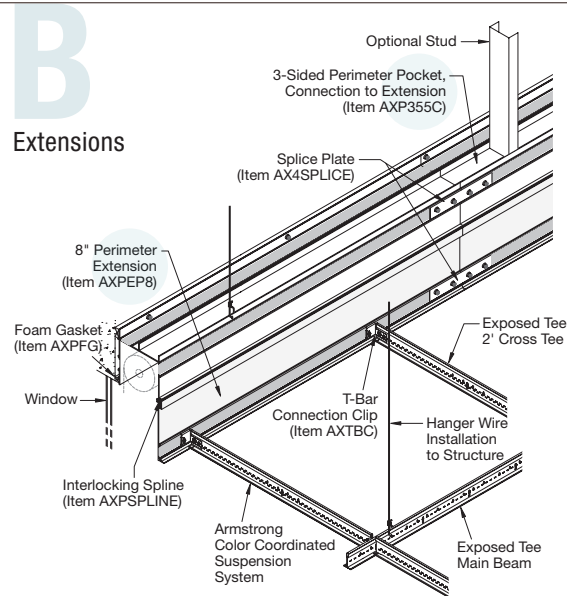
NOTE: White color is standard. All other colors available as special order.

AXIOM® – Building Perimeter System

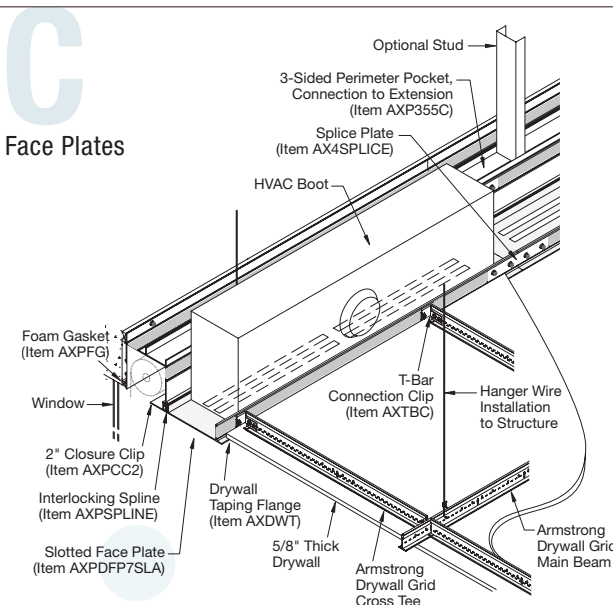
SPECIFY THE OPTION THAT FITS YOUR PROJECT



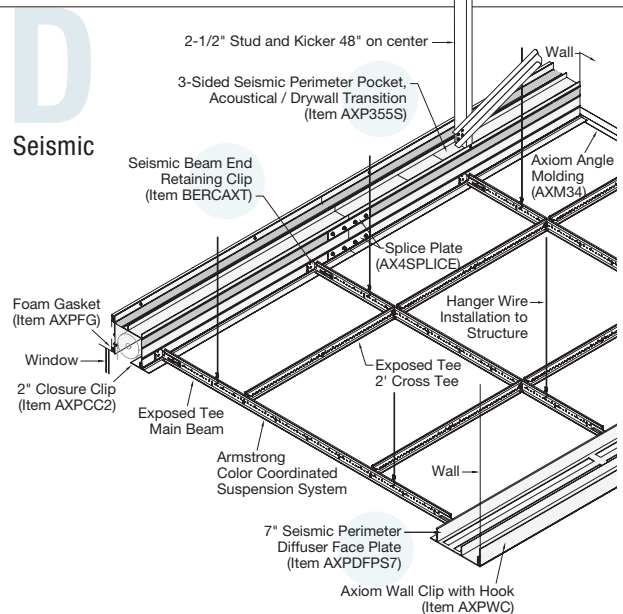
Item Number	Description
AXP355	3-Sided Perimeter Pocket, Acoustical/Drywall Transition
AX4SPLICE	Axiom® Splice Plates with Setscrews
AXPFPG	Axiom Building Perimeter Foam Gasketing
AXTBC	Axiom T-Bar Connection Clip



Item Number	Description
AXP355C	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece
AXPEP8	Axiom 8" Perimeter Extension
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFPG	Axiom Building Perimeter Foam Gasketing
AXTBC	Axiom T-Bar Connection Clip
AXPSPLINE	Axiom Interlocking Spline



Item Number	Description
AXP355C	3-Sided Perimeter Pocket, Connection to Extension/Facue Plate Piece
AXPDFP7SLA	Axiom Perimeter Diffuser Face Plate – 2-Slot Pattern
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFPG	Axiom Building Perimeter Foam Gasketing
AXPC2	Axiom 2" Building Perimeter Closure Clip (optional)
AXTBC	Axiom T-Bar Connection Clip
AXPSPLINE	Axiom Interlocking Spline
AXDWT	Drywall Taping Flange










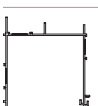


Item Number	Description
AXP355S	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFPG	Axiom Building Perimeter Foam Gasketing
AXPC2	Axiom 2" Building Perimeter Closure Clip
BERCAXT	Axiom Beam End Retaining Clip



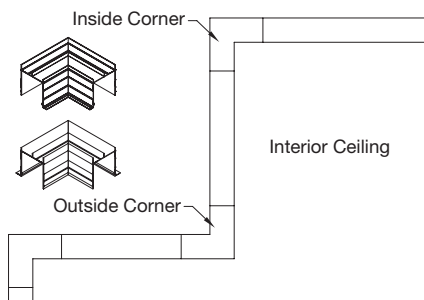
TRIM AND TRANSITIONS

AXIOM® – Building Perimeter System

VISUAL SELECTION

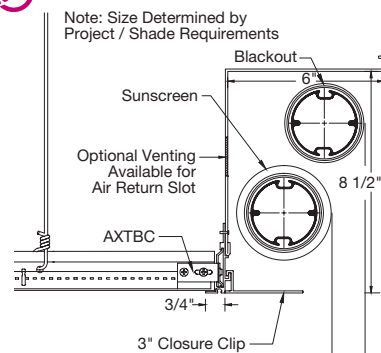
	Item Number	Description	Dimensions	Length
3-Sided Perimeter Pockets				
	AXP355	3-Sided Perimeter Pocket, Acoustical/Drywall Transition	5 x 5 x 5"	120"
	AXP355OSC	3-Sided Perimeter Pocket, Acoustical/Drywall Transition - Outside Corner	12 x 5 x 12"	12"
	AXP355ISC	3-Sided Perimeter Pocket, Acoustical/Drywall Transition - Inside Corner	12 x 5 x 12"	12"
	AXP355S	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange	5 x 5 x 5"	120"
	AXP355SOSC	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange - Outside Corner	12 x 5 x 12"	12"
	AXP355SISC	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange - Inside Corner	12 x 5 x 12"	12"
	AXP3552	3-Sided Perimeter Pocket, Acoustical/Drywall Transition - 2 sides	5 x 5 x 5"	120"
	AXP355C	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece	5 x 5 x 5"	120"
	AXP355COSC	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece - Outside Corner	12 x 5 x 12"	12"
	AXP355CISC	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece - Inside Corner	12 x 5 x 12"	12"

CORNERS

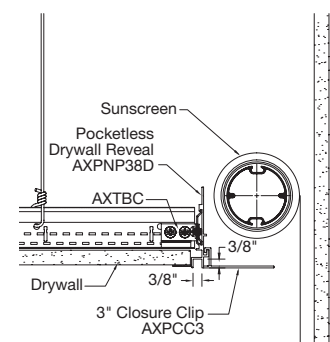


Axiom customer service is available to help you create custom pockets, slot designs, perforations and cut-outs to meet your project needs. Call 1 800 840 8521.

NEW Double Shade Pockets















NEW Pocketless Shade Options



AXIOM® – Building Perimeter System

50% RECYCLED
CONTENT
ALUMINUM
armstrong.com/greengenie

VISUAL SELECTION

	Item Number	Description	Dimensions	Length
2-Sided Perimeter Pockets				
	AXP255	2-Sided Perimeter Pocket, Acoustical/Drywall Transition	5 x 5"	120"
	AXP255OSC	2-Sided Perimeter Pocket, Acoustical/Drywall Transition Outside Corner	12 x 5 x 12"	12"
	AXP255ISC	2-Sided Perimeter Pocket, Acoustical/Drywall Transition Inside Corner	12 x 5 x 12"	12"
 NEW	AXP236	2-Sided Perimeter Pocket, Acoustical/Drywall Transition	3 x 6"	120"
	AXP255C	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece	5 x 5"	120"
	AXP255COSC	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece Outside Corner	12 x 5 x 12"	12"
	AXP255CISC	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece Inside Corner	12 x 5 x 12"	12"
No Pocket Details				
 NEW	AXPNP34A	No Pocket, 3/4" Acoustical Flange with Closure Clip Attachment	2-11/16 x 3/4"	120"
 NEW	AXPNP125A	No Pocket, 1-1/4" Acoustical Flange with Closure Clip Attachment	2-11/16 x 1-1/4"	120"
 NEW	AXPNP38D	No Pocket Drywall Taping Flange, 3/8" Reveal with Closure Clip Attachment	3-7/16 x 1-3/16"	120"
 NEW	AXPNPD	No Pocket Drywall Taping Flange, with Closure Clip Attachment	2-11/16 x 3/4"	120"
 NEW	AXPNPFPA	No Pocket detail with Face Plate and Closure Attachment	3-11/16 x 1/8"	120"

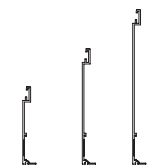
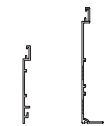


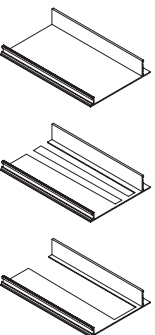




DEF



TRIM AND TRANSITIONS

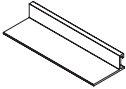
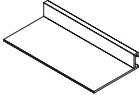
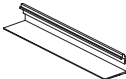

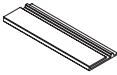



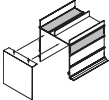
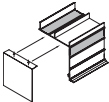
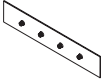
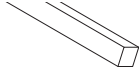
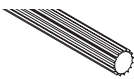
AXIOM® – Building Perimeter System

VISUAL SELECTION

	Item Number	Description	Dimensions	Length
Extensions (custom slotting, perforating, or cutouts available)				
 <small>AXPEP4 AXPEP6 AXPEP8</small>	AXPEP4	Axiom Perimeter Extension	4"	120"
	AXPEP6	Axiom Perimeter Extension	6"	120"
	AXPEP8	Axiom Perimeter Extension	8"	120"
 <small>AXPEP4H AXPEPS6</small>	AXPEP4H	Axiom Perimeter Extension - Hook on both sides	4"	120"
	AXPEPS6	Axiom Seismic Perimeter Extension with 0.875" Flange	6"	120"
Face Plates (custom slotting, perforating, or cutouts available)				
	AXPDFP4	Axiom Perimeter Face Plate - Unslotted	4" Unslotted	120"
	AXPDFP4SLA	Axiom Perimeter Face Plate - Slotted	4" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP4SLB	Axiom Perimeter Face Plate - Slotted	4" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFP7	Axiom Perimeter Face Plate - Unslotted	7" Unslotted	120"
	AXPDFP7SLA	Axiom Perimeter Face Plate - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP7SLB	Axiom Perimeter Face Plate - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFPS7	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Unslotted	7" Unslotted	120"
	AXPDFPS7SLA	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFPS7SLB	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFP4DT	Axiom Perimeter Face Plate Drywall Transition - Unslotted	4" Unslotted	120"
	AXPDFP4DTSLA	Axiom Perimeter Face Plate Drywall Transition - Slotted	4" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP4DTSLB	Axiom Perimeter Face Plate Drywall Transition - Slotted	4" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFP7DT	Axiom Perimeter Face Plate Drywall Transition - Unslotted	7" Unslotted	120"
	AXPDFP7DTSLA	Axiom Perimeter Face Plate Drywall Transition - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP7DTSLB	Axiom Perimeter Face Plate Drywall Transition - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
 	AXFFP4	Axiom Perimeter Face Plate	4" Unslotted	120"

AXIOM® – Building Perimeter System

VISUAL SELECTION

	Item Number	Description	Dimensions	Length
Closure Clips				
	AXPCC2	2" Axiom Building Perimeter Closure Clip	—	120"
	AXPCC3	3" Axiom Building Perimeter Closure Clip	—	120"
Accessories				
	AXBTSTR	Axiom Bottom Drywall Trim Straight	120" x 1-1/8" x 27/32"	120"
	BERCAXT	Axiom Beam End Retaining Clip	—	—
	AXSA75	Axiom Adapter Clip with 0.75" Flange	120" x 1-1/4"	120"
	AXPWC	Axiom Drywall Clip with Hook	—	—
 NEW	AXPWCCP	Axiom Wall Clip with Hook for Closure Clip	—	—
	AXTBC	Axiom T-Bar Connection Clip	—	—
	AXCPCI	Axiom Building Perimeter End Plate (3-sided)	—	—
	AXCPCIV	Axiom Building Perimeter End Plate (2-sided)	—	—
	AX4SPLICE	Axiom Splice Plate with Setscrews	—	—
	AXPFG	Axiom Building Perimeter Foam Gasketing	—	25' Roll
	AXPSPLINE	Axiom Building Perimeter Spline	—	120"



AXIOM® – Classic

Trim

straight and curved

Custom slotting, perforating, and cutouts available for this Axiom product.



KEY SELECTION ATTRIBUTES

Axiom is an extruded aluminum perimeter trim solution for use as an exposed custom decorative trim with suspended lay-in panels or as drywall trim for unique detailing and transition flexibility, available for straight and curved applications

- Extruded aluminum trim provides crisp edge detailing and excellent corrosion resistance compared to steel systems
- Eight profile heights
- Compatible with Armstrong suspension systems and Drywall Grid Systems
- Finely articulated drywall trim with beaded edge integrates with all trim profiles for pre-engineered drywall transitions (see pg. 290)
- Colors coordinate with Armstrong ceiling and suspension systems, custom colors available
- Design flexibility for straight and curved applications
- 10-year limited warranty, 30-year system warranty

TYPICAL APPLICATIONS

- Early accents
- “Floating” clouds
- Open corridors
- Stepped soffits

colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Suprafine® 9/16" suspension system, and select Axiom trim.

VISUAL SELECTION

Item No.*	Description	Dimensions
AXIOM – Classic Trim		
AX16STR*†	16" Straight Only	120 x 3/4 x 16"
AX14STR*†	14" Straight Only	120 x 3/4 x 14"
AX12STR	12" Straight	120 x 3/4 x 12"
AX12CUR*	12" Curved	120 x 3/4 x 12"
AX10STR	10" Straight	120 x 3/4 x 10"
AX10CUR*	10" Curved	120 x 3/4 x 10"
AX8STR	8" Straight	120 x 3/4 x 8"
AX8CUR*	8" Curved	120 x 3/4 x 8"
AX6STR	6" Straight	120 x 3/4 x 6"
AX6CUR*	6" Curved	120 x 3/4 x 6"
AX4STR	4" Straight	120 x 3/4 x 4"
AX4CUR*	4" Curved	120 x 3/4 x 4"
AX2STR	2" Straight	120 x 3/4 x 2"
AX2CUR*	2" Curved	120 x 3/4 x 2"

AXIOM – Classic Pre-mitered QuickShip Corners

AX16QSOS*†	16" Outside Corner	12 x 3/4 x 16"
AX16QIS*†	16" Inside Corner	12 x 3/4 x 16"
AX14QSOS*†	14" Outside Corner	12 x 3/4 x 14"
AX14QIS*†	14" Inside Corner	12 x 3/4 x 14"
AX12QSOS	12" Outside Corner	12 x 3/4 x 12"
AX12QIS	12" Inside Corner	12 x 3/4 x 12"
AX10QSOS	10" Outside Corner	12 x 3/4 x 10"
AX10QIS	10" Inside Corner	12 x 3/4 x 10"
AX8QSOS	8" Outside Corner	12 x 3/4 x 8"
AX8QIS	8" Inside Corner	12 x 3/4 x 8"
AX6QSOS	6" Outside Corner	12 x 3/4 x 6"
AX6QIS	6" Inside Corner	12 x 3/4 x 6"
AX4QSOS	4" Outside Corner	12 x 3/4 x 4"
AX4QIS	4" Inside Corner	12 x 3/4 x 4"

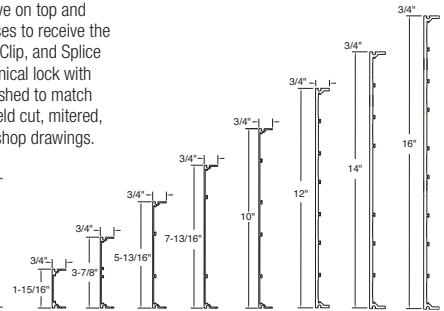
Trim Channel: Aluminum extrusions formed with distinct architectural detail groove on top and bottom flanges and special bosses to receive the T-Bar Connection Clip, Hanging Clip, and Splice Plate, to provide positive mechanical lock with no visible fasteners. Factory-finished to match approved samples. Factory or field cut, mitered, and curved to match approved shop drawings.

MINIMUM BEND RADIUS FOR AXIOM-CLASSIC

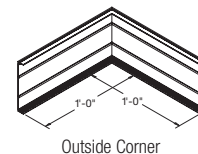
- 2", 4", 6", 8" – 24" Minimum
- 10" – 36" Minimum
- 12" – 60" Minimum

AXIOM FACTORY MITER LIMIT

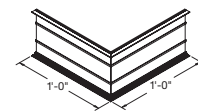
- 2", 4", 6", 8" – Minimum 30° acute angle (15° per cut)
- 10", 12", 14", 16" – Minimum 60° acute angle (30° per cut)



Axiom factory-mitered inside and outside corner pieces are created to match your Axiom Trim channel order. These corners come as 2 – 12" long pieces that are assembled in the field for a clean mitered corner intersection.



Outside Corner



Inside Corner



* Not available in architectural film finishes

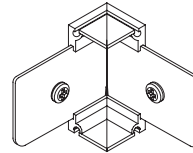
† Not available in Wood Look finishes

• Add the 2- or 3-digit color suffix to the item number when specifying or ordering (Example: AX2STR H Δ), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX2STR 3 H Δ).

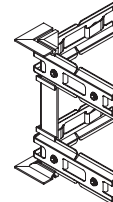
VISUAL SELECTION

Item No.*	Description	Dimensions
AXIOM – Classic -Corner Posts**		
AX120SCP _ _	12" Outside Corner Post	7/8 x 7/8 x 12"
AX121SCP _ _	12" Inside Corner Post	3/4 x 3/4 x 12"
AX100SCP _ _	10" Outside Corner Post	7/8 x 7/8 x 10"
AX101SCP _ _	10" Inside Corner Post	3/4 x 3/4 x 10"
AX80SCP _ _	8" Outside Corner Post	7/8 x 7/8 x 8"
AX81SCP _ _	8" Inside Corner Post	3/4 x 3/4 x 8"
AX60SCP _ _	6" Outside Corner Post	7/8 x 7/8 x 6"
AX61SCP _ _	6" Inside Corner Post	3/4 x 3/4 x 6"
AX40SCP _ _	4" Outside Corner Post	7/8 x 7/8 x 4"
AX41SCP _ _	4" Inside Corner Post	3/4 x 3/4 x 4"
AX20SCP _ _	2" Outside Corner Post	7/8 x 7/8 x 2"
AX21SCP _ _	2" Inside Corner Post	3/4 x 3/4 x 2"

Axiom corner posts eliminate miter cuts at corners for a fast and easy installation.



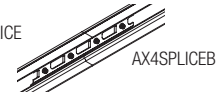
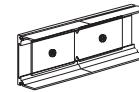
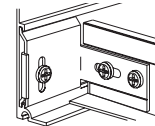
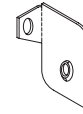
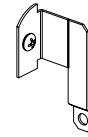
Axiom – Outside
Corner Post



Axiom – Inside
Corner Post

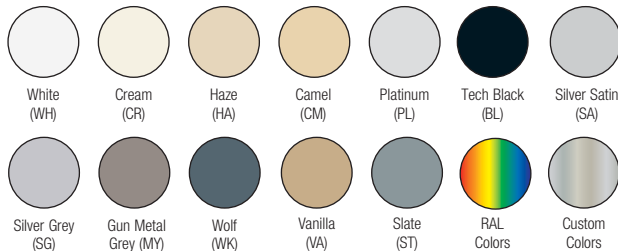
* Add the 2- or 3-digit color suffix to the item number when specifying or ordering (Example: AX2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX2STR 3 H A).

Item No.	Description
Accessories	
AXAC	Alignment Clip Alignment Clip: Sheet aluminum formed to fit into special trim channel bosses and provide positive mechanical lock, screw-fastened connection to suspension members which intersect below the trim channel.
AX2HGC	Hanging Clip Hanging Clip: Sheet aluminum formed to fit into special trim channel bosses and provide positive mechanical lock, screw-fastened connection to suspension members which intersect below the trim channel.
AXTBC	T-Bar Connection Clip T-Bar Connection Clip: Galvanized sheet steel formed to fit into special trim channel bosses and provide positive mechanical lock with factory-installed screw, screw-fastened connection to suspension members which intersect the trim channel.
AXSPLICE	Axiom Splice Plate
AX4SPLICEB	Axiom Splice Plate
Splice Plate: Galvanized sheet steel formed to fit into the trim channel bosses and provide positive lock between abutting channels with factory-installed setscrews.	



COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard (Wood Look and architectural film finishes available, see page 279.)



NOTE: 360° paint finishes and custom colors available as special order.

NEW BLIZZARD WHITE FINISH

** Blizzard White finish available on select Axiom Classic, Knife Edge®, and Vector® trim profiles



Blizzard White**
(ZW)

AXIOM® – Interlude®

Trim
straight



KEY SELECTION ATTRIBUTES

- Used exclusively with Interlude XL® suspension system (see pg. 254)
- Available in our most popular profile sizes (2", 4", and 6")
- New Interlude expansion sleeve (IES3) allows the unique Interlude visual to be extended to the perimeter
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Colors coordinate with Armstrong ceiling and suspension systems; custom colors available
- Standard 90° factory-mitered outside and inside corners
- Recommended for use with full-size ceiling panels

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare
- Transportation
- Places of worship
- Conference rooms

VISUAL SELECTION

Item No. ♦	Description	Dimensions
AXIOM – Interlude Trim		
AXLD2STR _ _ _	Axiom Interlude 2", Straight	120 x 3/16 x 2"
AXLD4STR _ _ _	Axiom Interlude 4", Straight	120 x 3/16 x 4"
AXLD6STR _ _ _	Axiom Interlude 6", Straight	120 x 3/16 x 6"
AXIOM – Interlude Pre-mitered QuickShip™ Corners		
AXLD2QSOS _ _ _	Axiom Interlude 2", Quick Ship Outside Corner	12 x 3/16 x 2"
AXLD2QISIS _ _ _	Axiom Interlude 2", Quick Ship Inside Corner	12 x 3/16 x 2"
AXLD4QSOS _ _ _	Axiom Interlude 4", Quick Ship Outside Corner	12 x 3/16 x 4"
AXLD4QISIS _ _ _	Axiom Interlude 4", Quick Ship Inside Corner	12 x 3/16 x 4"
AXLD6QSOS _ _ _	Axiom Interlude 6", Quick Ship Outside Corner	12 x 3/16 x 6"
AXLD6QISIS _ _ _	Axiom Interlude 6", Quick Ship Inside Corner	12 x 3/16 x 6"

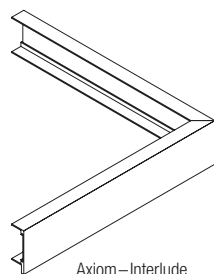
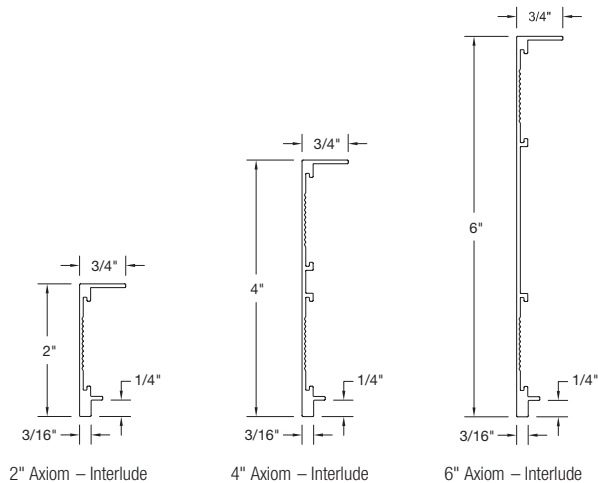
Accessories

AX4SPLICEB	Splice Plate with Set Screws	3/4 x 3/16 x 6"
AXCCLT	T-Bar Connector Twist Clip	—
IES3	Interlude Expansion Sleeve	—

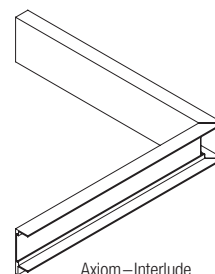
♦ Add the 2- or 3-digit color suffix to the item number when specifying or ordering (Example: AXLD6STR W H), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXLD6STR 3 W H).

NOTE: Clips and splice plates are unpainted. Touch-up paint available upon request for clips and splice plates used with standard colors.

DETAILS For more information, see submittal BPCS-4211.



Axiom–Interlude QuickShip Outside Corners



Axiom–Interlude QuickShip Inside Corners

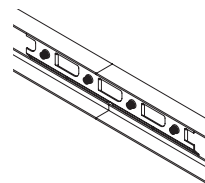
COLOR SELECTION Due to printing limitations, shade may vary from actual product.



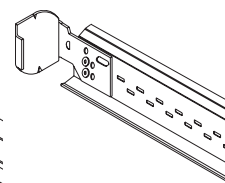
NOTE: 360° paint finishes and custom colors available as special order.



ACCESSORIES



Splice Plate (AX4SPLICEB)



T-Bar Connector Clip (AXCCLT)



AXIOM® – Interlude®

Trim
straight

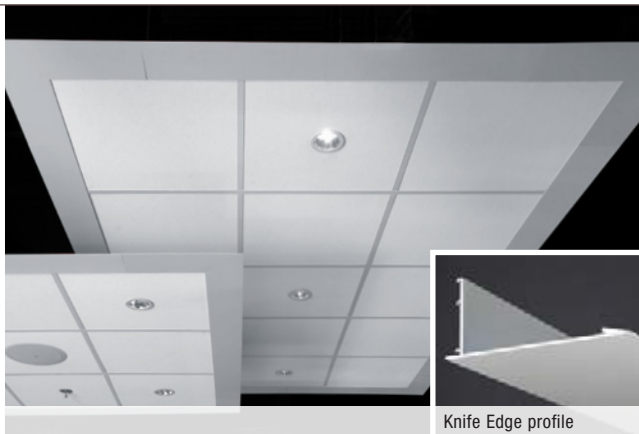


TRIM AND TRANSITIONS

Optima® Vector® Plank 24" x 96"; Prelude® XL® 15/16" suspension system; Axiom® Building Perimeter System

AXIOM® – Knife Edge®

Trim
straight



Knife Edge profile

VISUAL SELECTION

Item No.*	Description	Dimensions
AXIOM – Knife Edge		
AXKE2STR_ _ _	Straight	120 x 6-3/16 x 2-1/2"
AXKE90IC* _ _ _	Inside 90° Corner	12 x 6-3/16 x 2-1/2"
AXKE90OC* _ _ _	Outside 90° Corner	12 x 6-3/16 x 2-1/2"
AXKE5STR**	Straight	120 x 6-3/16 x 5"
AXKE5IC**	Inside 90° Corner	12 x 6-3/16 x 5"
AXKE5OC**	Outside 90° Corner	12 x 6-3/16 x 5"
AXIOM – Knife Edge for Vector®†		
AXKEVE2STR_ _ _	Vector – Straight	120 x 5-9/16 x 2-5/16"
AXKEVE90IC* _ _ _	Inside 90° Corner	12 x 5-9/16 x 2-5/16"
AXKEVE90OC* _ _ _	Outside 90° Corner	12 x 5-9/16 x 2-5/16"

Accessories

AX2HGC	Hanging Clip	–
AXTBC	T-Bar Connector Clip	–
AXVTBC	Vector T-Bar Connector Clip	–
AX4SPLICEB	Splice Clip with Setscrews	–
AXKEALIGN	Alignment Clip	–
AXSPHDC	Trim Hold Down Clip	–
AXDWT	Drywall Trim	120 x 1-3/4"

* Add the 2- or 3-digit color suffix to the item number when specifying or ordering (Example: AX2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX2STR 3 H A), use extra suffix W-white or B-black before color suffix when ordering film to designate the background color (Example: AX2STR B B B).

† Wood Looks not available with Vector items.

* AXIOM-Knife Edge must use factory corners.

** Only available in white.

KEY SELECTION ATTRIBUTES

- Unique profile provides a refined alternative
- Two profiles available:
Axiom-Knife Edge for traditional acoustical lay-in and tegular panels, as well as drywall
Axiom-Knife Edge for Vector is specifically made to work with the unique Vector edge
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Compatible with Armstrong suspension systems and Drywall Grid Systems
- Colors coordinate with Armstrong ceiling and grid systems; custom colors available
- Standard 90° factory bonded corners

TYPICAL APPLICATIONS

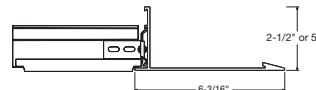
- Offices
- Retail
- Education
- Hospitality
- Healthcare

colorations™



DETAILS For more information, see submittal BPCS-3080.

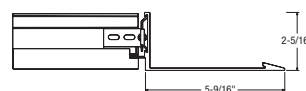
CAD drawings available on armstrong.com/axiom



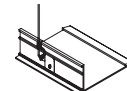
Axiom-Knife Edge profile



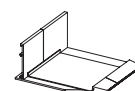
Axiom-Knife Edge with Drywall (Use with AXVTBC and AXDWT)



Axiom-Knife Edge for Vector profile

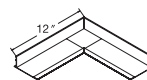


Axiom-Knife Edge (AX2HGC)

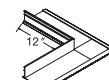


Axiom-Knife Edge Alignment Clip (AXKEALIGN)

Factory-Bonded corners



Axiom-Knife Edge Factory-Bonded Inside Corner (AXKE90IC)

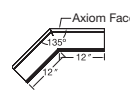


Axiom-Knife Edge Factory-Bonded Outside Corner (AXKE90OC)

Factory corner configurations available 60-135° (upon request)



60° Corner



135° Corner

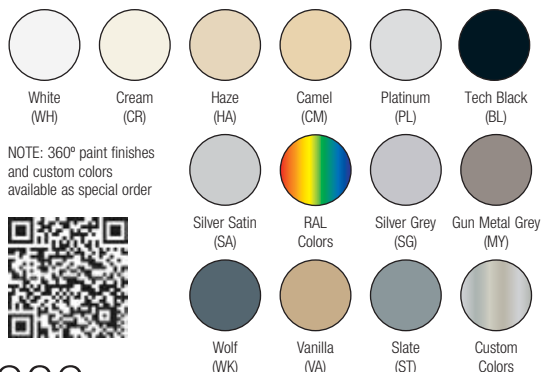
AXKE 60 IC 3 BL

Item (AXKE or AXKEV) Corner Degree 360° Painted Color
Inside Corner (IC) Outside Corner (OC)

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Standard



NOTE: 360° paint finishes and custom colors available as special order

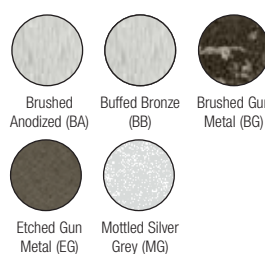


WOOD LOOK FINISHES†



ARCHITECTURAL FILM FINISHES

(white or black background)



NOTE: White is standard color for all AXIOM products.

NEW BLIZZARD WHITE FINISH



†† Blizzard White finish available on select Axiom Classic, Knife Edge, and Vector trim profiles

AXIOM® – Drywall Trim

One-piece or Two-piece
straight & curved



VISUAL SELECTION

Item No.♦	Description
AXIOM – One-Piece Drywall Trim	
AX1PC2STR_ _	2.5" One-Piece Straight Drywall Trim
AX1PC2CUR_ _	2.5" One-Piece Curved Drywall Trim
AX1PC4STR_ _	4" One-Piece Straight Drywall Trim
AX1PC4CUR_ _	4" One-Piece Curved Drywall Trim
AX1PC6STR_ _	6" One-Piece Straight Drywall Trim
AX1PC6CUR_ _	6" One-Piece Curved Drywall Trim
AXIOM – Two-Piece Drywall Trim (used with AXIOM Classic, see pg. 287)	
AXBSTR_ _	Axiom Straight Drywall Bottom Trim
AXBTCUR_ _	Axiom Curved Drywall Bottom Trim

♦ Add the 2- or 3-digit color suffix to the item number when specifying or ordering (e.g., AX1PC2STR H A)

KEY SELECTION ATTRIBUTES

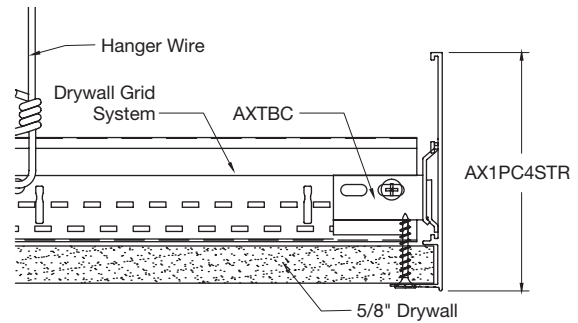
- 2.5", 4", and 6" profile heights
- Integrated and pre-punched tapping flange for drywall attachment
- Available in White, standard colors, and unfinished for field painting
- Straight and curved options available
- Pre-engineered compatibility with 5/8" drywall

TYPICAL APPLICATIONS

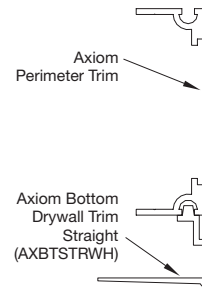
- Offices
- Retail
- Education
- Hospitality
- Healthcare
- Transportation
- Places of worship
- Conference rooms

DETAILS For more information, see submittal CS-3528.

CAD drawings available at armstrong.com/axiom



One-piece Drywall Trim



Two-piece Drywall Trim

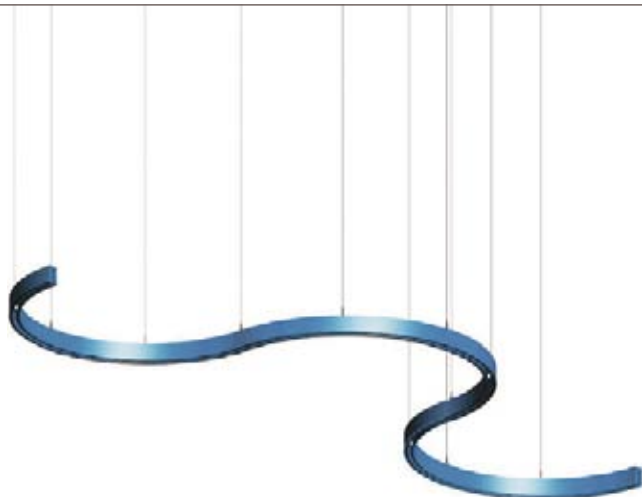
COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard



AXIOM® – Paired Accent System

For AXIOM Classic or AXIOM Vector® Suspension
straight & curved



KEY SELECTION ATTRIBUTES

- Unique system allows tandem sections of curved or straight Axiom to run parallel with a 5/8" or 1-3/8" reveal between profiles
- Design option to accent open plenum spaces or below acoustical ceilings
- Extruded aluminum provides crisp profiles, smooth connections, and excellent corrosion resistance compared to steel systems
- Colors coordinate with Armstrong ceiling and suspension systems; custom colors available
- Suspended from structure above or below acoustical ceiling
- Accessories available to organize placement of lights

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

Designed for 2", 4", 6", 8", 10", or 12" AXIOM Classic and 2", 4", or 6" AXIOM Vector profiles
Choose your profile first
- Axiom Classic pg. 287
- Axiom Vector pg. 295

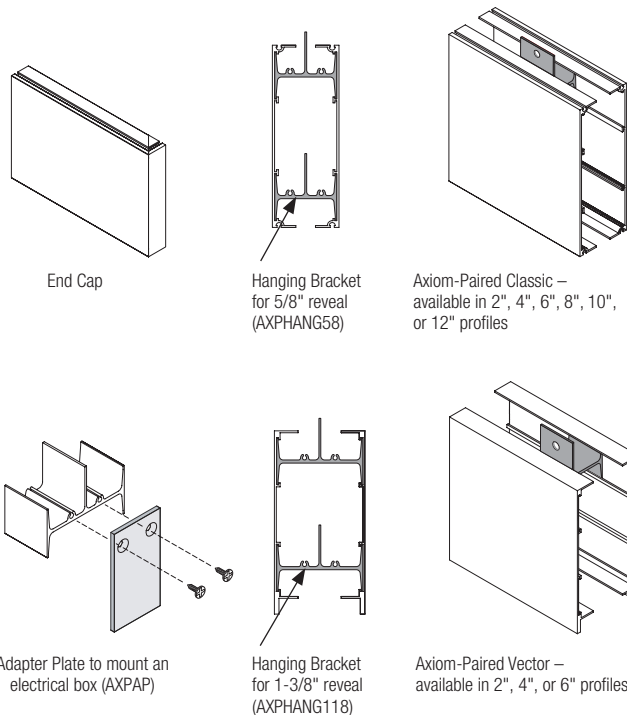
VISUAL SELECTION

Item No.♦	Description
AXIOM – Paired End Caps*	
AX2WEC _ _	Welded End Cap for 2" Axiom-Classic
AX4WEC _ _	Welded End Cap for 4" Axiom-Classic
AX6WEC _ _	Welded End Cap for 6" Axiom-Classic
AX8WEC _ _	Welded End Cap for 8" Axiom-Classic
AX10WEC _ _	Welded End Cap for 10" Axiom-Classic
AX12WEC _ _	Welded End Cap for 12" Axiom-Classic
AXVE2WEC _ _	Welded End Cap for 2" Axiom-Vector
AXVE4WEC _ _	Welded End Cap for 4" Axiom-Vector
AXVE6WEC _ _	Welded End Cap for 6" Axiom-Vector
Accessories	
AX4SPLICEB	Splice Plate with Setscrews
AXPAP	Adapter Plate for Electrical Box
AXPHANG58	Hanging Bracket for 5/8" reveal
AXPHANG118	Hanging Bracket for 1-3/8" reveal

* Add the 2-letter color suffix to the item number when specifying or ordering (Example: AX2WEC B L)

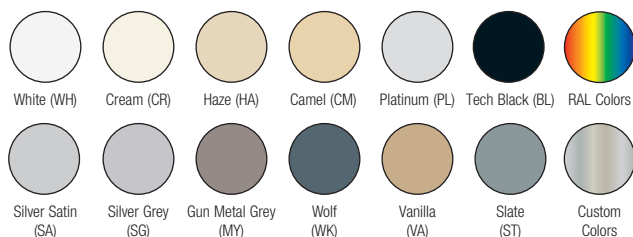
DETAILS For more information, see submittal BPCS-3686.

CAD drawings available on armstrong.com/axiom



COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard (Architectural film finishes available. See page 279.)



WOOD LOOK FINISHES



NOTE: For all 4", 6", 8", 10", or 12" profiles, stack two Hanging Brackets on top of each other and place every 4' on center. Paired sections less than 4' long require two sets of Hanging Brackets per section.

AXIOM® – Profiled

Trim
straight



Axiom – Profiled Convex

KEY SELECTION ATTRIBUTES

- Extruded aluminum provides crisp edge detailing and excellent corrosion resistance
- Finely articulated drywall trim with beaded edge integrates with all trim profiles to provide a pre-engineered solution for drywall transitions
- Ultimate design flexibility – four decorative profiles; Convex, Concave, Cove, and Crown
- Crown and Cove profiles designed to coordinate with Armstrong Metaphors® Coffered ceilings
- Colors coordinate with Armstrong ceiling and suspension systems; custom colors available

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Suprafine® 9/16" suspension system, and select Axiom Trim.

VISUAL SELECTION

Item No.*	Description	Dimensions
AXIOM – Profiled Trim		
AXCOVE _ _	Cove	120 x 3-1/2 x 3-1/2"
AXCRWN _ _	Crown	12 x 3 x 3-1/2"
AXCNVX _ _	Convex	12 x 5-1/4 x 2-1/2"
AXCNCV _ _	Concave	120 x 5-1/4 x 2-1/2"
AXIOM – Profiled Corners		
AXCOVEIS* _ _	Cove Inside 90° Corner	12 x 3-1/2 x 3-1/2"
AXCOVEOS* _ _	Cove Outside 90° Corner	12 x 3-1/2 x 3-1/2"
AXCRWNIS* _ _	Crown Inside 90° Corner	12 x 3 x 3-1/2"
AXCRWNOS* _ _	Crown Outside 90° Corner	120 x 5-1/4 x 2-1/2"
AXCNVXIS* _ _	Convex Inside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNVXOS* _ _	Convex Outside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNCVIS* _ _	Concave Inside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNCVOS* _ _	Concave Outside 90° Corner	12 x 5-1/4 x 2-1/2"

Accessories

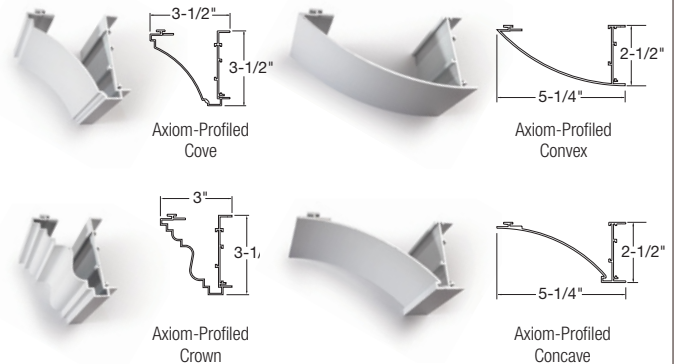
AXDWT	Profiled AXIOM Drywall Taping Flange	120 x 1-3/4"
AXAC	Alignment Hanging Clip	–
AXTBC	T-Bar Connector Clip	–
AX4SPliceB	Splice Plate with Setscrews	–
AXALIGN	Profiled Alignment Clip	–
AXSPThDC	Trim Hold Down Clip	–

* Add the 2-letter color suffix to the item number when specifying or ordering (Example: AXCOVE H Δ)

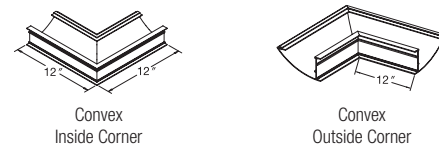
* Axiom-Profiled must use factory corners.

DETAILS For more information, see submittal BPCS-3101.

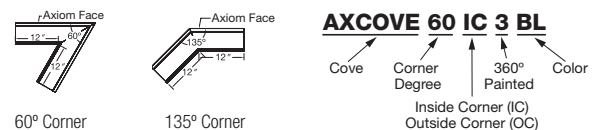
CAD drawings available on armstrong.com/axiom



Factory-Bonded corners



Factory corner configurations available 60-135°



COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard



WOOD LOOK FINISHES



AXIOM® – Soft Edge

Trim
straight & curved



Soft Corner (Above L) and Ripple (Above R) with Optima® Vector® Inset: Convex

KEY SELECTION ATTRIBUTES

- Three profile options:
Ripple
Soft Corner
Convex
- Incorporates the sophisticated grid-hiding visual of a Vector ceiling with a similar 1/4" reveal along the trim
- Design flexibility for straight and curved applications

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Suprafine® 9/16" suspension system, and select Axiom trim.

MINIMUM BEND RADIUS FOR AXIOM-SOFT EDGE

	Outside Curve (face out)	Inside Curve (face in)
Soft Corner	10'	4'
Ripple	5'	4'
Convex	cannot curve	cannot curve

VISUAL SELECTION

Item No.	Description	Dimensions
AXIOM – Soft Edge Ripple		
AXSER2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSER2CUR_ _ _	2-1/2" Curved	Vary x 3/4 x 2-1/2"
AXSER4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXSER4CUR_ _ _	4" Curved	Vary x 3/4 x 4"
AXIOM – Soft Edge Ripple Corners		
AXSER2INCNR_ _ _	2-1/2" Straight	12 x 3/4 x 2-1/2"
AXSER2OCCNR_ _ _	2-1/2" Curved	12 x 3/4 x 2-1/2"
AXSER4INCNR_ _ _	4" Straight	12 x 3/4 x 4"
AXSER4OCCNR_ _ _	4" Curved	12 x 3/4 x 4"
AXIOM – Soft Edge Soft Corners		
AXSES2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSES2CUR_ _ _	2-1/2" Curved	Vary x 3/4 x 2-1/2"
AXSES4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXSES4CUR_ _ _	4" Curved	Vary x 3/4 x 4"
AXIOM – Soft Edge Soft Corner Corners		
AXSES2INCNR_ _ _	2-1/2" Inside Corner	12 x 3/4 x 2-1/2"
AXSES2OCCNR_ _ _	2-1/2" Outside Corner	12 x 3/4 x 2-1/2"
AXSEC4INCNR_ _ _	4" Inside Corner	12 x 3/4 x 4"
AXSEC4OCCNR_ _ _	4" Outside Corner	12 x 3/4 x 4"
AXIOM – Soft Edge Convex		
AXSEC2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSEC4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXIOM – Soft Edge Convex Corners		
AXSEC2INCNR_ _ _	2-1/2" Inside Corner	12 x 3/4 x 2-1/2"
AXSEC2OCCNR_ _ _	2-1/2" Outside Corner	12 x 3/4 x 2-1/2"
AXSEC4INCNR_ _ _	4" Inside Corner	12 x 3/4 x 4"
AXSEC4OCCNR_ _ _	4" Outside Corner	12 x 3/4 x 4"

Accessories

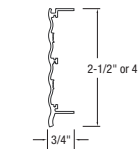
AXTBC	T-Bar Connector Clip	–
AX4SPICEB	Splice Plate with Setscrews	–

* Add the 3-letter type and color suffix to the item number when specifying or ordering (e.g., AXSER2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXSER2STR 3 H A)

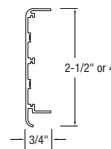


DETAILS For more information, see submittal BPCS-3879.

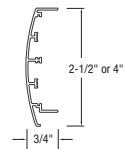
CAD drawings available on armstrong.com/axiom



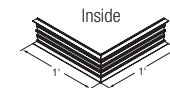
Axiom Soft Edge Ripple



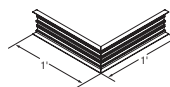
Axiom Soft Edge Soft Corner



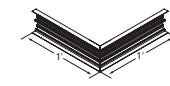
Axiom Soft Edge Convex



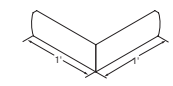
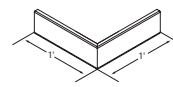
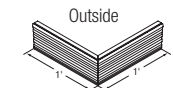
Axiom Soft Edge Ripple



Axiom Soft Edge Soft Corner



Axiom Soft Edge Convex



COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard



NOTE: 360° paint finishes and custom colors available as special order

AXIOM® – Transitions

Trim
straight & curved



Axiom – Transitions trim

VISUAL SELECTION

Item No.	Description	Dimensions
AXIOM – Transitions (no elevation change)		
AXTRVEST_ _	Straight Transition for Vector	120 x 2-3/8 x 1-11/16"
AXTRTEST_ _	Straight Transition for Tegular	120 x 2-3/8 x 1-11/16"
AXTRTECUR*_ _	Curved Transition for Tegular	120 x 2-3/8 x 1-11/16"
AXIOM – Transitions (elevation change)		
AXTR2STR_ _	2" Straight Transition	120 x 2 x 1-1/2"
AXTR2CUR**_ _	2" Curved Transition	120 x 2 x 1-1/2"
AXTR4STR_ _	4" Straight Transition	120 x 4 x 1-1/2"
AXTR4CUR**_ _	4" Curved Transition	120 x 4 x 1-1/2"
AXTR6STR_ _	6" Straight Transition	120 x 6 x 1-1/2"
AXTR6CUR**_ _	6" Curved Transition	120 x 6 x 1-1/2"
AXTR8STR_ _	8" Straight Transition	120 x 8 x 1-1/2"
AXTR8CUR**_ _	8" Curved Transition	120 x 8 x 1-1/2"
AXIOM – Transitions QuickShip Corners		
AXTR2Q SIS_ _ _		12 x 2 x 1-1/2"
AXTR2Q SOS_ _ _		12 x 2 x 1-1/2"
AXTR4Q SIS_ _ _		12 x 4 x 1-1/2"
AXTR4Q SOS_ _ _		12 x 4 x 1-1/2"
AXTR6Q SIS_ _ _		12 x 6 x 1-1/2"
AXTR6Q SOS_ _ _		12 x 6 x 1-1/2"
AXTR8Q SIS_ _ _		12 x 8 x 1-1/2"
AXTR8Q SOS_ _ _		12 x 8 x 1-1/2"
Accessories		
AX4SPICEB	Splice Plate with Setscrews	—
AXTBC	T-Bar Connector Clip	—
AXBTSTR	Axiom Straight Drywall Bottom Trim	—

* Add the 2- or 3-letter color suffix to the item number when specifying or ordering (Example: AX2WEC B L)
* Minimum bending radius is 24" ** Minimum bending radius is 36"

KEY SELECTION ATTRIBUTES

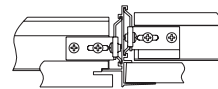
- Axiom-Transitions is an aluminum extrusion to create a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Extruded aluminum trim provides more crisp edge detailing compared to convention roll-formed steel systems
- Compatible with Armstrong suspension systems and Drywall Grid Systems
- Clean, pre-engineered transition between full size Vector panels and drywall surround
- **Axiom-Transitions – Tegular** is available curved and straight with field cut perimeter panels
- **Axiom-Transitions – Vector** is available straight only for use with full size Vector panels (field cutting Vector panels can be avoided)
- Axiom Transitions accomodates Acoustical to Acoustical, Acoustical to Drywall, Drywall to Acoustical, Drywall to Drywall height transitions of 2", 4", 6", and 8"
- 2", 4", 6" and 8" Transitions can be curved (minium bend radius 36")

TYPICAL APPLICATIONS

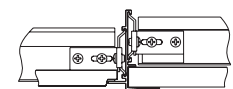
- Offices
- Retail
- Education
- Hospitality
- Healthcare

DETAILS For more information, see submittal BPCS-3530.

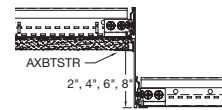
CAD drawings available on armstrong.com/axiom



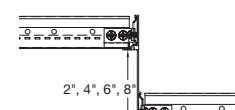
Axiom – Transitions with Vector panel to drywall perimeter



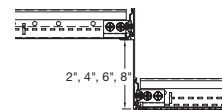
Axiom – Transitions with Tegular panel to drywall perimeter



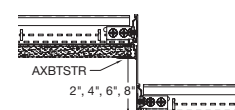
Drywall to Acoustical



Acoustical to Acoustical



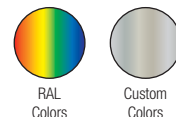
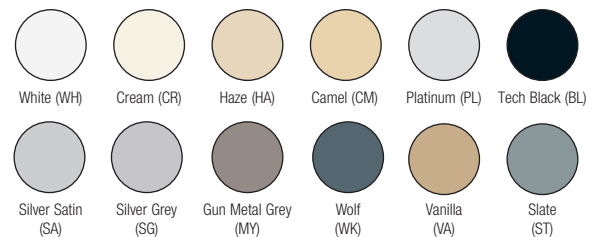
Acoustical to Drywall



Drywall to Drywall

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard



NOTE: Custom colors available as special order



AXIOM® – Vector®

Trim
straight & curved



Axiom – Vector

VISUAL SELECTION

NEW
NEW

NEW
NEW

NEW
NEW

Item No.*	Description	Dimensions
AXIOM – Vector		
AX2VESTR_ _ _	2" Straight	120 x 3/4 x 2"
AX2VECUR_ _ _	2" Curved	120 x 3/4 x 2"
AX4VESTR_ _ _	4" Straight	120 x 3/4 x 4"
AX4VECUR_ _ _	4" Curved	120 x 3/4 x 4"
AX6VESTR_ _ _	6" Straight	120 x 3/4 x 6"
AX6VECUR_ _ _	6" Curved	120 x 3/4 x 6"
AX8VESTR_ _ _	8" Straight	120 x 3/4 x 8"
AX8VECUR_ _ _	8" Curved	120 x 3/4 x 8"
AXIOM – Vector Pre-mitered QuickShip™ Corners		
AX2VEQIS_ _ _	2" Inside Corner	12 x 3/4 x 2"
AX2VEQSOS_ _ _	2" Outside Corner	12 x 3/4 x 2"
AX4VEQIS_ _ _	4" Inside Corner	12 x 3/4 x 4"
AX4VEQSOS_ _ _	4" Outside Corner	12 x 3/4 x 4"
AX6VEQIS_ _ _	6" Inside Corner	12 x 3/4 x 6"
AX6VEQSOS_ _ _	6" Outside Corner	12 x 3/4 x 6"
AX8VEQIS_ _ _	8" Inside Corner	12 x 3/4 x 8"
AX8VEQSOS_ _ _	8" Outside Corner	12 x 3/4 x 8"
AXIOM – Vector Corner Posts**†		
AX2VEISCP_ _ _	2" Inside Corner Post	3/4 x 3/4 x 2"
AX2VEOSCP_ _ _	2" Outside Corner Post	3/4 x 3/4 x 2"
AX4VEISCP_ _ _	4" Inside Corner Post	3/4 x 3/4 x 4"
AX4VEOSCP_ _ _	4" Outside Corner Post	3/4 x 3/4 x 4"
AX6VEISCP_ _ _	6" Inside Corner Post	3/4 x 3/4 x 6"
AX6VEOSCP_ _ _	6" Outside Corner Post	3/4 x 3/4 x 6"
AX8VEISCP_ _ _	8" Inside Corner Post	3/4 x 3/4 x 8"
AX8VEOSCP_ _ _	8" Outside Corner Post	3/4 x 3/4 x 8"

Accessories

AX4SPICEB	Splice Plate with Setscrews	—
AXTBC	T-Bar Connector Clip	—



* Add the 3-letter type and color suffix to the item number when specifying or ordering (Example: AX8VESTR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX8VESTR 3 H A)

* Not available in architectural film finishes

† Not available in Wood Look finishes

KEY SELECTION ATTRIBUTES

- Recommended for use with full-size Vector ceiling panels
- Preserves factory Vector edge detail
- Custom slotting, perforating, and cutouts available
- Compatible with Armstrong exposed suspension systems and Drywall Grid Systems
- Colors coordinate with Armstrong ceiling and grid systems; custom colors available
- Standard 90° factory mitered inside corner and outside corner post
- Recommended for use with full size Vector ceiling panels; preserves factory cut Vector edge detail
- A narrow vertical "fin" on the profile creates a 1/4" recess to echo the 1/4" reveal of the Vector™ ceiling panel
- Incorporates the sophisticated grid-hiding visual of a Vector ceiling with a perimeter
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

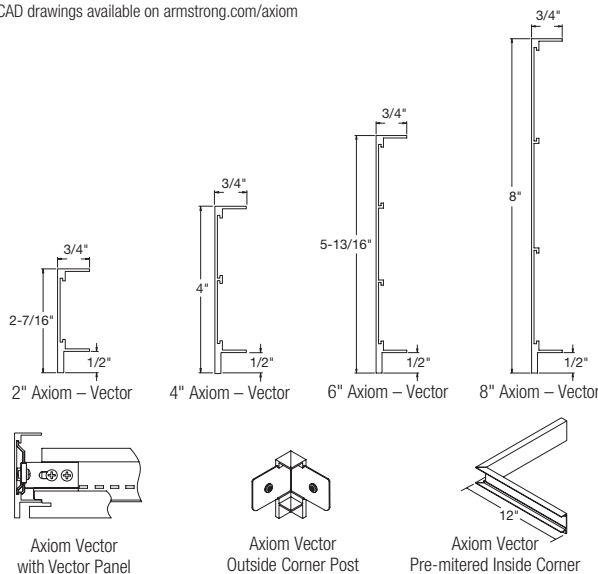
colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Suprafine® 9/16" suspension system, and select Axiom trim.

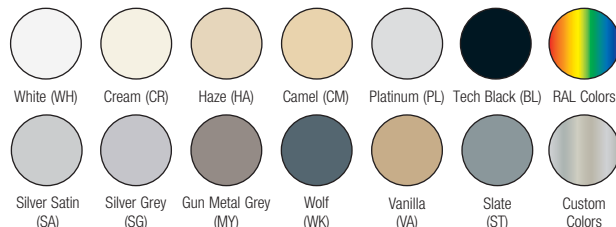
DETAILS For more information, see submittal BPCS-3529.

CAD drawings available on armstrong.com/axiom



COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Standard (Architertural film finishes available, see page 279.)

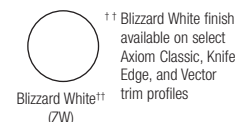


NOTE: 360° paint finishes and custom colors available as special order

WOOD LOOK FINISHES



BLIZZARD WHITE FINISH



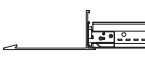



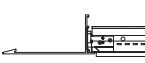


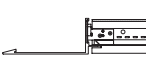


†† Blizzard White finish available on select Axiom Classic, Knife Edge, and Vector trim profiles

AXIOM® – Vector® & Knife Edge® for FORMATIONS™

Trim
straight & curved

FORMATIONS SQUARES More information about Formations Clouds can be found on pages 25-26.

Panel Edge Detail	Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector	24" x 24" Panel
Lay-in					Any
Tegular					Any
Vector		N/A	N/A		Any

Axiom Profile Options for Square Clouds



Vector panel with Axiom Vector Trim (available in 2", 4", and 6" heights)



Tegular panel with inverted Axiom Vector Trim (available in 2", 4", and 6" heights)



Tegular panel with Axiom Knife Edge for Vector Trim




Vector panel with Axiom Knife Edge for Vector Trim

Axiom Profile options for Curved Clouds



Axiom Vector Trim (available in 2", 4", and 6" heights)

FORMATIONS CURVES

Panel Edge Detail	Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector	24" x 24" and Corner Panel
Vector		N/A	N/A	N/A	Optima® Vector Ultima® Vector

AXIOM ACCESSORIES

Unpainted

Item No.	Description	Pcs./Ctn.
AXTBC	T-Bar Connector Clip	1
AXTBCSS	T-Bar Stainless Steel Connector Clip	1
AXVTBC	T-Bar Vector Connector Clip	1
AXCCLT	T-Bar Connector Twist Clip	1
AXSPLICE	Splice Plate with 2 Screws	1
AXSPLICESS	Splice Plate Stainless Steel with 2 Screws	1
AX4SPLICE	Splice Plate with 4 Screws	1
AX4SPLICEB	Splice Plate with 4 Screws and Tabs	1
BERCAXT	Axiom Beam End Retaining Clip	1
AXAC	Alignment Clip	1
AX2HGC	Hanging Clip	1
AXSPTHDC	Trim Hold Down Clip	1

COLOR





AXIOM® – Wall Moldings & Column Rings

Trim
straight & curved

50% RECYCLED
CONTENT
ALUMINUM armstrong.com/greengenie



KEY SELECTION ATTRIBUTES

- Axiom is an aluminum extrusion to create a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Compatible with Armstrong exposed suspension and drywall grid systems
- 5 new molding profiles available straight or curved to be used as wall moldings or column rings

TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

colorations™



Refer to BPCS-3996 Axiom Color Chart for new Colorations finishes, available on coordinating Calla™ ceiling panels, Supratime™ 9/16" suspension system, and select Axiom trim.

MINIMUM BEND RADIUS

	Wall Moldings		Column Rings
	Outside Curve	Inside Curve	Inside Curve
AXMCUR	24"	24"	48"
AXM34CUR	6"	6"	12"
AXM5050CUR	8"	18"	36"
AXM5075CUR	8"	14"	28"
AXM7575CUR	9"	18"	36"

VISUAL SELECTION

DETAILS For more information, see submittal BPCS-4473.

Item Number	Description	Dimensions Length x A x B	
Angle Molding			
AXMSTR _ _ _	Straight Wall Molding - with Axiom Reveal	120" x 1" x 3/4"	
AXMCUR _ _ _	Curved Wall Molding/Column Ring with Axiom Reveal	120" x 1" x 3/4"	
AXM34STR _ _ _	Straight Wall Molding - Shadow	120" x 1" x 3/4"	
AXM34CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 1" x 3/4"	
Shadow Molding			
AXM5050STR _ _ _	Straight Wall Molding - Shadow	120" x 3/4" x 5/8" x 1/2" x 1/2"	
AXM5050CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 3/4" x 5/8" x 1/2" x 1/2"	
AXM5075STR _ _ _	Straight Wall Molding - Shadow	120" x 1" x 5/8" x 1/2" x 3/4"	
AXM5075CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 1" x 5/8" x 1/2" x 3/4"	
AXM7575STR _ _ _	Straight Wall Molding - Shadow	120" x 3/4" x 5/8" x 3/4" x 3/4"	
AXM7575CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 3/4" x 5/8" x 3/4" x 3/4"	



AXMSTR



AXMCUR



AXM34STR



AXM34CUR



AXM5050STR



AXM5050CUR



AXM5075STR



AXM5075CUR



AXM7575STR



AXM7575CUR

♦ Add the 3-letter color suffix to the item number when specifying or ordering (Example: AXMSTR W H), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXS8VSTR 3 H A)

COLOR SELECTION

Standard



NOTE: 360° paint finishes and custom colors available as special order.

TRIM AND TRANSITIONS

drywall grid

Drywall Faceted Grid System
Liberty Municipal Library, Liberty, TX
Edwards Associates, PLLC, Houston, TX



DRYWALL SYSTEMS

At-a-Glance

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

Fire Resistance



Available in fire-resistive options (Fire Guard); tested in specific UL floor/ceiling or roof/ceiling construction design assemblies.

Chemical Corrosion



G90 hot dipped galvanized coating available for exterior applications.

Seismic



Category D, E & F

PeakForm®



Peaked roof top bulb increases strength for improved performance.



Drywall Grid Systems - Flat



Pg. 300



QuikStix Ceilings - Locking Pocket Mains

Pgs. 303-304



Pre-Rock Locking Angle Molding

Pg. 300



Drywall Grid Systems - Curved



Pg. 301



QuikStix Soffits

Pg. 305



ShortSpan® Drywall Framing System



Pg. 302



QuikStix Walls

Pg. 305

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.



Unpainted

TYPICAL APPLICATIONS

- Wet installations (stucco/plaster)
- Indoor (G40)
- Exterior applications (G90)
- Soffits/special transitions
- High visibility areas
- Combination drywall and acoustical panel or tile ceilings



Drywall Main Beam, Cross Tee, and Angle Molding

PHYSICAL DATA

Material

Hot dipped galvanized steel

Surface Finish

Unpainted steel

Fire Resistance Rating

Resistive when used in applicable UL fire resistive designs. Fire Guard™ components meet UL Design Listings D501, D502, G523, G524, G526, G527, G528, G529, G553, G560, J502, L502, L508, L513, L515, L525, L526, L529, L564, P506, P507, P508, P509, P510, P513, P514, P516

Cross Tee/Main Beam Interface

Override

End Detail

Main Beam: Staked-on clip (HD8906, HD8906G90)

Cross Tee: Staked-on clip

Seismic Performance

ICC Evaluation Service, Inc. ESR-1289

Complies with IBC requirements.

Drywall ceilings are a continuous membrane. Consult local codes for requirements.

MAIN BEAMS

HD8906
HD8906HRC

MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION

374.0
374.0

CROSS TEES

XL7341
XL7936G90
XL8341
XL8926
XL8925
XL7918
XL8945P
XL8947P
XL8965
XL8965HRC
XL8945PHRC

MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION

377.0

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-1289 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

Warranty

Warranty details available at armstrong.com/warranty

DRYWALL Grid Systems

Flat Ceilings



Drywall Grid System – Flat Ceilings with AXIOM®-Classic Curved Trim

KEY SELECTION ATTRIBUTES

- Some components available in High Recycled Content (HRC); Total Recycled Content 61%, Post-Consumer 53%, Pre-Consumer 8%
- PeakForm®** patented profile¹ increases strength and stability during installation
- SuperLock™** main beam clip engineered for secure connection, fast accurate alignment
- ScrewStop™** reverse hem prevents screw spin-off on 1-1/4" and wider faces
- HD8906 main beam and cross tees with extra routings for Type "F" light fixtures
- Minimum G40 hot dipped galvanized coating, per ASTM C645, inhibits red rusting better than electro-galvanized or painted systems
- G90 hot dipped galvanized coating available for exterior applications
- HD8906IIC main beam accepts integral Impact Isolation Clips (IIC) to provide up to eight points of IIC improvement.
- Wind uplift resistance. Dade/Broward County, Florida – Product approval – NOA#07-0119.02 03.17.14
- Florida Impact Testing Dade/Broward County, Florida – Product approval – NOA#10-0126.04 03.17.15
- Heavy-duty load carrying performance; complies with ASTM C635
- Patented rotary-stitched manufacturing
- Accommodates stud, track, hat channel, wood, or other supplemental framing
- Fire Guard™ components meet broad range of UL design assemblies
- 10-year limited warranty

VISUAL SELECTION

Face Profile	Item No.	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing Lbs./Lin. Ft.		
					2 Ft.	3 Ft.	4 Ft.
Drywall Main Beams (Red Numbers are Fire Guard Items)					2 Ft.	3 Ft.	4 Ft.
1-1/2"	HD8906HRC HD8906G90 HD8906 HD8906IIC	12' HD Drywall Main Beam (For Type F Light Fixtures)	42 routes – starting 2-1/4" from each end [†]	144 x 1-1/2 x 1-11/16"	95.5	43.19	18.66
1-1/2"	HD890610	10' HD Drywall Main Beam (For Type F Light Fixtures)	51 routes – starting 2-1/4" from each end [†]	120 x 1-1/2 x 1-11/16"	95.5	43.19	18.66
1-1/2"	SP135	135" HD Stucco Main Beam G90	13.5" O.C.	135 x 1-1/2 x 1-11/16"	95.5	43.19	18.66
Drywall Cross Tees							
1-1/2"	XL8965 XL8965HRC	6' Drywall Cross Tee	6 routes – starting 24" from each end [†]	72 x 1-1/2 x 1-1/2"	6'	4.58	–
1-1/2"	XL8947P	50" Drywall Cross Tee	8 routes – starting 10" from each end [†]	50 x 1-1/2 x 1-1/2"	50"	12.79	–
1-1/2"	XL8945P XL8945PHRC	4' Drywall Cross Tee	9 routes – center route and starting 10" from each end [†]	48 x 1-1/2 x 1-1/2"	4'	14.27	–
1-1/2"	XL7936G90	3' Drywall Cross Tee	none	36 x 1-1/2 x 1-1/2"	3'	31.33	–
1-1/2"	XL8925	26" Drywall Cross Tee	2 routes – 12" from each end [†]	26 x 1-1/2 x 1-1/2"	26"	76.07	–
1-1/2"	XL8926	2' Cross Tee	3 routes – center route and 10" from each end [†]	24 x 1-1/2 x 1-1/2"	2'	90.25	–
1-1/2"	XL7918	14" Cross Tee	none [†]	14 x 1-1/2 x 1-1/2"	14"	–	–
15/16"	XL7341	4' Cross Tee	3 routes – starting 12" from each end	48 x 1-11/16 x 15/16"	4'	16.00	–
15/16"	XL8341	4' Cross Tee	3 routes – starting 12" from each end	48 x 1-11/16 x 15/16"	4'	16.00	–

* NOTE: All load test data based on flat installation per ASTM C635.

ASTM Class ID - Intermediate-duty HD - Heavy-duty LD - Light-duty

Face Profile	Item No.	Description	Dimensions	Lin. Ft./ Ctn.	Face Profile	Item No.	Description	Dimensions	Lin. Ft./ Ctn.
Knurled Angle Molding					Molding				
1-1/4"	KAM10	10' Knurled Angle Molding (0.18mil)	120 x 1-1/4 x 1-1/4"	100	3/4"	7838	10' Channel Molding	120 x 1-1/4 x 1-9/16 x 3/4"	200
1-1/4"	KAM12/ KAM12HRC	12' Knurled Angle Molding (0.18mil)	144 x 1-1/4 x 1-1/4"	120	15/16"	7858	12' Reverse Angle Molding	144 x 1-9/16 x 15/16"	240
1-1/4"	KAM12G90	10' Knurled Angle Molding (0.18mil)	144 x 1-1/4 x 1-1/4"	120	1-1/4"	LAM12/LAM12HRC LAM12G90	12' Locking Angle Molding (Locking Tabs 8" O.C.)	144 x 1-1/4 x 1-1/4"	240
1-1/2"	KAM1510	10' Knurled Angle Molding (0.18mil)	120 x 1-1/2 x 1-1/2"	100	1-1/4"	PRLAM12 PRLAM12G90	Pre-Rock Locking Angle Molding (Locking Tabs 8" O.C.)	144 x 1-7/8 x 1-1/4"	240
1-1/2"	KAM1512	12' Knurled Angle Molding (0.18mil)	144 x 1-1/2 x 1-1/2"	120	1/2"	LCM12	12' Locking Channel Molding	144 x 1-1/2 x 1-1/2" x 1-1/2"	120
1-1/2"	KAM151020E	10' Knurled Angle Molding (0.28mil)	120 x 1-1/2 x 1-1/2"	100					
1-1/2"	KAM151020	12' Knurled Angle Molding (0.33mil)	120 x 1-1/2 x 1-1/2"	100					
2"	KAM21025	10' Knurled Angle Molding (0.18mil)	120" x 2" x 2"	100					
2"	KAM21020EQ	12' Knurled Angle Molding (0.28mil)	120" x 2" x 2"	100					
2"	KAM21020	10' Knurled Angle Molding (0.33mil)	120" x 2" x 2"	100					

DRYWALL SYSTEMS

DRYWALL Grid Systems

Curved Ceilings



Drywall Grid System – Curved Ceilings

KEY SELECTION ATTRIBUTES

- **PeakForm**® profile increases strength and stability for improved performance during installation
- **SuperLock**™² main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove/relocate
- **ScrewStop**™ reverse hem prevents screw spin-off on 1-1/4" wider faces
- Pre-notched at either 8" or 16" on center to simplify fabrication of faceted main beam
- RC2 clip is used on main beam at every knockout location to reinforce the desired radius; route hole on clip allows for cross tee placement as required
- Rotary-stitched during manufacture by a patented method
- Minimum G90 hot dipped galvanized coating, per ASTM C645, provides superior corrosion resistance
- XL^{®2} staked-on end detail cross tees for secure locked connection; easy to install
- 10-year limited warranty



VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions	Hanger Spacing Lbs./Lin. Ft.		Fire Guard	Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
				3 Ft.	4 Ft.				
Drywall Grid									
1-1/2"	HD8906F08	Faceted Drywall Main Beam	144 x 1-1/2 x 1-11/16"	22.00	11.33*	–	–	12	144
1-1/2"	HD8906F16	Faceted Drywall Main Beam	144 x 1-1/2 x 1-11/16"	22.00	11.33*	–	–	12	144
Accessories (For additional accessories, see pages 306-307.)									
	RC2[†]	Radius Clip						205	

* Note: All load test data based on flat installation per ASTM C635.

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

SHORTSPAN® Drywall Framing System

KEY SELECTION ATTRIBUTES

ShortSpan Tees

- Select items available in High Recycled Content (HRC) (S7712, S7714): Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- Engineered for faster, easier installation
- 1-1/2" wide face exceeds the minimum industry standard
- **ScrewStop™** reverse hem prevents screw spin-off
- Balanced profile stays flat during installation

- Rotary stitching on double web adds strength and stability
- Deep knurled surface for easy screw insertion
- G40, .018" metal thickness meets ASTM C645

StrongBack™

- Easy, pre-engineered solution to support spans over 6 or 7 feet

Locking Angle Molding

- Pre-engineered locking tabs punched 8" on center:
 - Eliminate measuring 16" or 24"
 - Locking tabs prevent lateral and upward movement
 - Eliminate screws, pop rivets, or crimpers needed to attach tees to molding
- Knurled surface on both flanges
- **ScrewStop** reverse hem prevents screw spin-off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment
- 10-year limited warranty

TYPICAL APPLICATIONS

- Condominiums
- Apartments
- Residences
- Dormitories
- Barracks
- Town homes
- Rest rooms
- Motels
- Hotels
- Villas
- Suites

FIRE RESISTANCE RATING

Meets a broad range of UL design assemblies D501, D502, G523, G524, G527, G528, G529, G531, G553, J502, L502, L508, L513, L515, L525, L526, L529, L564, P501, P506, P507, P508, P509, P510, P513, P514.

VISUAL SELECTION PERFORMANCE MAXIMUM LOAD (LBS./SF)*

Face Profile	Item No.	Dimensions	Fire Guard	MAXIMUM LOAD (LBS./SF)*									
				Lin. Ft./ Bundle	O.C. Spacing	4' Span Lbs./SF	5' Span Lbs./SF	6' Span Lbs./SF	7' Span Lbs./SF	8' Span Lbs./SF	10' Span Lbs./SF	12' Span Lbs./SF	14' Span Lbs./SF
SHORTSPAN (Red Numbers are Fire Guard Items)				Dots represent high level of performance.									
1-1/2"	S7708 S7708G90	96 x 1-1/2 x 1-1/2"	•	96	16 24	18.91 12.60	— —	— —	— —	18.91** 2.26	— —	— —	— —
1-1/2"	S7710 S7710G90	120 x 1-1/2 x 1-1/2"	•	120	16 24	— —	8.16 5.43	— —	— —	— —	8.16** 5.43**	— —	— —
1-1/2"	S7712 S7712HRC S7712G90	144 x 1-1/2 x 1-1/2"	•	144	16 24	— —	— —	4.86 3.24	— —	— —	— —	4.86** 3.24**	— —
1-1/2"	S7714 S7714HRC S7714G90	168 x 1-1/2 x 1-1/2"	•	168	16 24	— —	— —	— —	2.98 22.38** 14.90**	— — —	— — —	— — —	2.98** 9.53*** 6.36***

* Simple Span L/240

** Requires mid-span vertical support

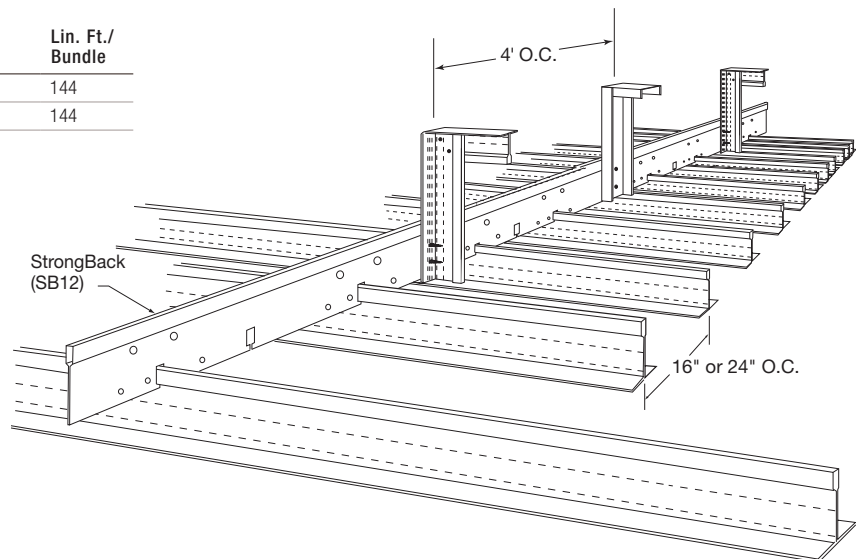
*** Requires two vertical supports at 1/3 points

Note: 5/8" drywall weighs 2.4 lbs./SF
1/2" drywall weighs 2.0 lbs./SF
1/2" lite drywall weighs 1.3-1.4 lbs./SF

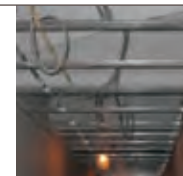
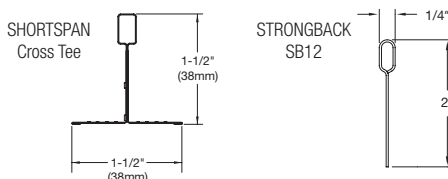
ACCESSORIES

Item No.	Description	Dimensions	Lin. Ft./ Bundle
SB12	Strongback	144 x 2"	144
SB12G90	Strongback G90	144 x 2"	144

For Molding and Knurled Angle Molding, see page 300.



DETAILS For more information, see submittal BPCS-3639.



QUIKSTIX™ Drywall Ceiling

Locking Pocket Main Beams



KEY SELECTION ATTRIBUTES

ShortSpan® Tees

- Some components available in High Recycled Content (HRC); Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- Engineered for faster, easier installation
- 1-1/2" wide face exceeds the minimum industry standard
- **ScrewStop™** reverse hem prevents screw spin off
- Balanced profile stays flat during installation

- Rotary stitching on double web adds strength and stability
- Deep knurled surface for easy screw insertion
- G40, .018" metal thickness meets ASTM C645

StrongBack™

- Easy, pre-engineered solution to support spans over 6 or 7 feet

Locking Angle Molding

- Pre-engineered locking tabs punched 8" on center:
 - Eliminate measuring 16" or 24"
 - Locking tabs prevent lateral and upward movement
 - Eliminate screws, pop rivets, or crimpers needed to attach tees to molding
- Knurled surface on both flanges
- **ScrewStop** reverse hem prevents screw spin-off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment
- 10-year limited warranty

TYPICAL APPLICATIONS

- Condominiums
- Apartments
- Residences
- Dormitories
- Barracks
- Town homes
- Rest rooms
- Motels
- Hotels
- Villas
- Suites

QUIKSTIX™ Drywall Ceiling Locking Pocket Main Beams

VISUAL SELECTION

MAXIMUM LOAD (LBS./LIN FT)*

Face Profile	Item No.	Description	Dimensions	Hanger Spacing Lbs./Lin. Ft.		
				Lin. Ft./ Bundle		
QUIKSTIX Locking Pocket Main Beams (Red Numbers are Fire Guard Items)					3 Ft.	4 Ft.
1-1/2"	QSLPM12/ QSLPM12G90	Locking Pocket Main Beam	144 x 1-1/2 x 1-1/2"	144	26.95	14.15
SHORTSPAN Cross Tees						
1-1/2"	S7708 S7708G90	ShortSpan Tee	96 x 1-1/2 x 1-1/2"	96	-	-
1-1/2"	S7710 S7710G90	ShortSpan Tee	120 x 1-1/2 x 1-1/2"	120	-	-
1-1/2"	S7712 S7712HRC S7712G90	ShortSpan Tee	144 x 1-1/2 x 1-1/2"	144	-	-
1-1/2"	S7714 S7714HRC S7714G90	ShortSpan Tee	168 x 1-1/2 x 1-1/2"	168	-	-

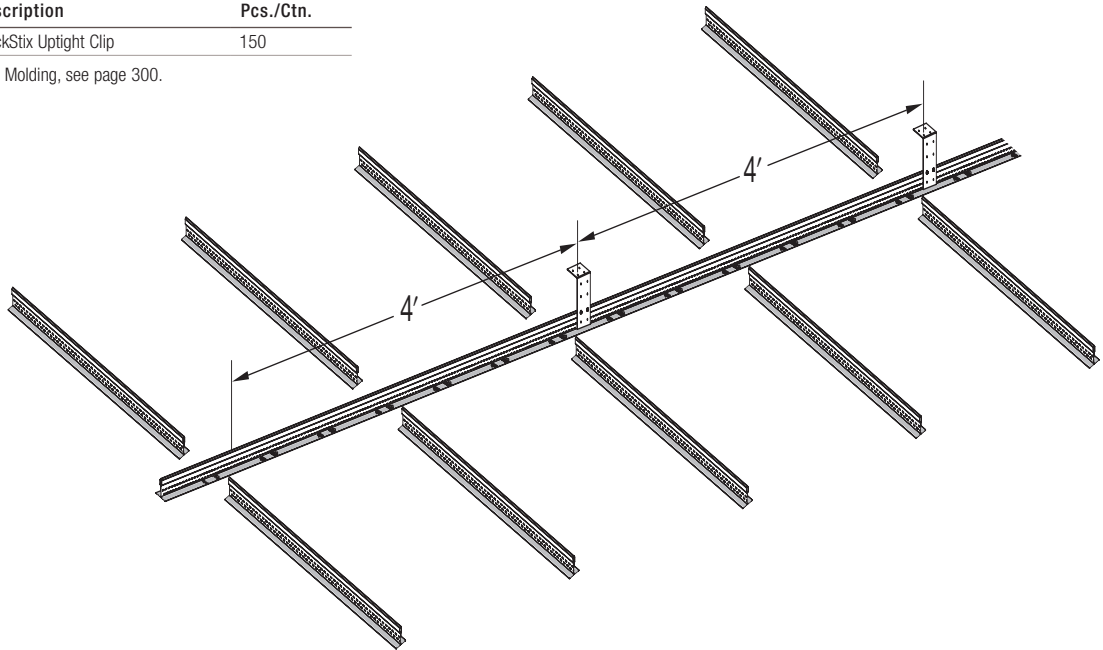
* Simple Span L/240
** Requires mid-span vertical support
*** Requires two vertical supports at 1/3 points

Note: 5/8" drywall weighs 2.4 lbs./SF
1/2" drywall weighs 2.0 lbs./SF
1/2" lite drywall weighs 1.3-1.4 lbs./SF

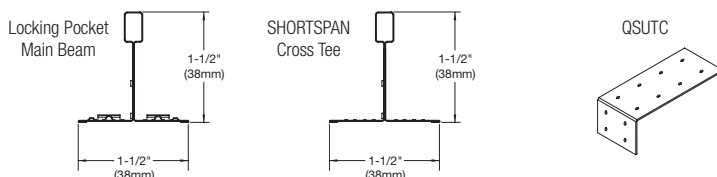
ACCESSORIES

Item No.	Description	Pcs./Ctn.
QSUTCA	QuickStix Uptight Clip	150

For Molding and Knurled Angle Molding, see page 300.



DETAILS For more information, see submittal BPCS-3639.



QUIKSTIX™ Soffits Drywall System



KEY SELECTION ATTRIBUTES

- Knockouts at 6" and 8" centers reduce cutting time
- Alignment holes make screw installation simple
- Forms perfect 30°, 45°, 60°, 75° and 90° angles
- Flattened bulb is offset to allow true angles without interference
- Bending crimp prevents misalignment
- 90° angle fits locking angle molding (LAM-12)
- Patent pending faster, more accurate solution
- Pre-engineered locking tabs punched 8" on center:
 - Eliminate measuring 16" or 24"
 - Locking tabs prevent lateral and upward movement
 - Eliminate screws, pop rivets, or crimpers needed to attach tees to molding
- Knurled surface on both flanges
- **ScrewStop** reverse hem prevents screw spin off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment
- 10-year limited warranty

VISUAL SELECTION

MAXIMUM LOAD (LBS./SF)*

Item No.	Dimensions	Lin. Ft./ Bundle	O.C. Spacing	3' Span Lbs./SF	4' Span Lbs./SF	O.C. Knockouts
QS612 QS612G90	144 x 1-1/2 x 1-1/2"	144	6"	-	4.87	6"
QS812 QS812G90	144 x 1-1/2 x 1-1/2"	144	8"	2.80	-	8"

* Simple Span L/240

VISUAL SELECTION

PACKAGING

Item No.	Description	Dimensions	Lin. Ft./ Bundle
Molding			
LAM12 LAM12G90 LAM12HRC	12' Locking Angle Molding (Locking tabs 8" O.C.)	144 x 1-1/4 x 1-1/4"	240
KAM12 KAM12HRC	12' Knurled Angle Molding	144 x 1-1/4 x 1-1/4"	120
KAM1510	10' Knurled Angle Molding	120 x 1-1/2 x 1-1/2"	100
KAM1512	12' Knurled Angle Molding	144 x 1-1/2 x 1-1/2"	120

QUIKSTIX™ Wall Liner Systems Drywall System



KEY SELECTION ATTRIBUTES

- Eliminates measuring and marking with QuikStix Locking Track
- Framing tees simply click into place, allowing you to keep both feet on the ground
- RollLock™ Support Bar and Upright Clips allow for easy support and anchoring of system
- **ScrewStop** reverse hem prevents screw spin off and provides safer handling
- Framing tees have knock outs for electrical wiring

VISUAL SELECTION

PACKAGING

Item No.	Length/ Item Description	Face Dimensions	Profile Height	Lin. Ft./ Bundle
QSWFT09	9' Framing Tee	1-1/2"	1-5/8"	108
QSWFT10	10' Framing Tee	1-1/2"	1-5/8"	120
QSWFT12	12' Framing Tee	1-1/2"	1-5/8"	144
QSWFT14	14' Framing Tee	1-1/2"	1-5/8"	168

VISUAL SELECTION

PACKAGING

Item No.	Length/ Item Description	Face Dimensions	Profile Height	Lin. Ft./ Bundle	Pcs./ Ctn.
QSWLT10	10' Locking Track (Locking Tabs 8" On Center)	1-1/4" Tall Face 1-5/8" Wide Base	1-3/4" Tall Back	120	
QSWSB	RollLock 50" Support Bar	3/8"	7/8"	104	
QSUTCA	QuickStix Upright Clip	-	-	-	150



SOFFITS

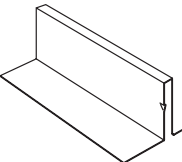
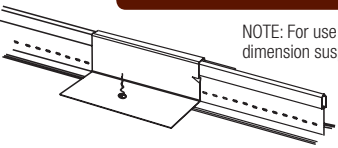
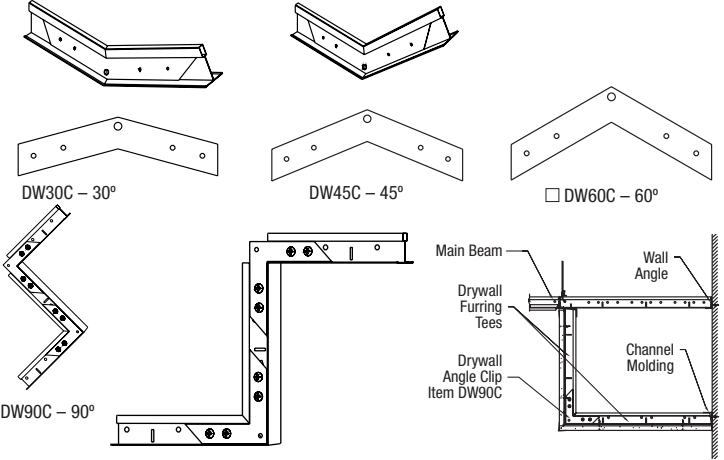
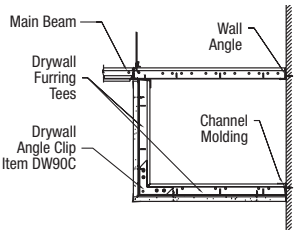
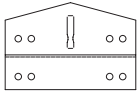
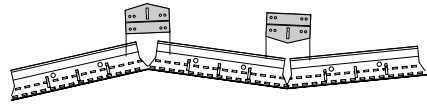
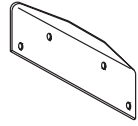
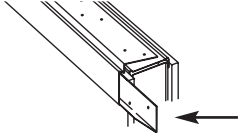

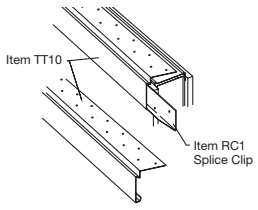
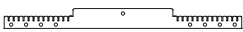
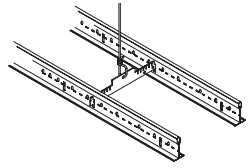
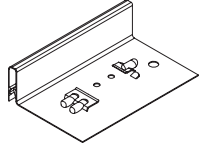
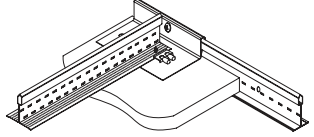


WALL LINER

DRYWALL GRID SYSTEM

Accessories

VISUAL SELECTION

Item Number	Description	
<input type="checkbox"/> DWACS 100 pcs/bucket	DWACS – Drywall Attachment Clip – Facilitates transition from drywall to acoustical ceiling; locks under bulb of grid section to prevent upward movement and provide secure attachment surface on one side of exposed grid	  <p>NOTE: For Transition Molding, see pages 269-270.</p> <p>NOTE: For use with 15/16" face dimension suspension system.</p>
<input type="checkbox"/> DW30C – 30° <input type="checkbox"/> DW45C – 45° <input type="checkbox"/> DW60C – 60° <input type="checkbox"/> DW90C – 90° 250 pcs/bucket	Drywall Angle Clip – Used to create positive and secure angles for drywall and ceiling installations on either main beams or cross tees; attachment to be made with 7/16" pan head screw	 <p>DW30C – 30° DW45C – 45° <input type="checkbox"/> DW60C – 60°</p> <p>DW90C – 90°</p> 
<input type="checkbox"/> RC2 205 pcs/bucket	RC2 – Radius Clip is used for drywall applications which form curved installations; attaches to the cavity side of web of the main beam with four 7/16" pan head screws. Install at all knockout locations.	 
<input type="checkbox"/> RC1 200 pcs/bucket	RC1 – Splice Clip is used as a main beam splice or partition top trim splice	 
<input type="checkbox"/> TT10 30 pcs/bucket	TT10 – 10' Partition Top Trim – Used to finish off the top of a drywall partition for a continuous drywall/acoustic ceiling interface	  <p>Item TT10 Item RC1 Splice Clip</p>
<input type="checkbox"/> GSC9 (1" to 4") <input type="checkbox"/> GSC12 (4" to 8") <input type="checkbox"/> GSC16 (8" to 14") 100 pcs/bucket	Adjustable Grid Spacer Clip – Used to space two parallel main beams for light fixtures, air diffusers, etc.; allows for 1/4" adjustments with three different clips	 
Locking <input type="checkbox"/> DW58LT – 5/8" Gypsum <input type="checkbox"/> DW50LT – 1/2" Gypsum Non-locking <input type="checkbox"/> DW58AG – 5/8" Gypsum <input type="checkbox"/> DW50AG – 1/2" Gypsum 125 pcs/bucket	Drywall Transition Clip with Locking Tabs – Facilitates transition from drywall to acoustical ceiling; one-sided hold down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS cross tees.	 

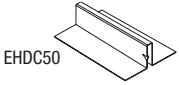
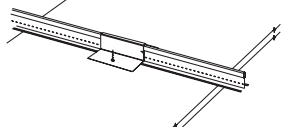
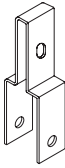
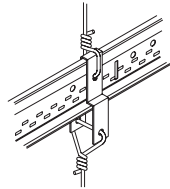
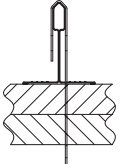
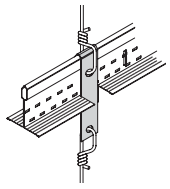

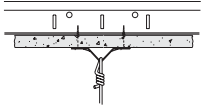
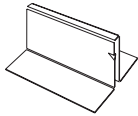
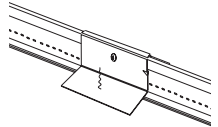
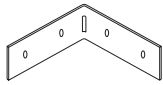
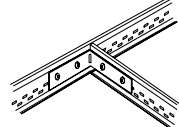
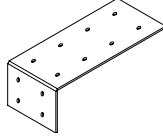
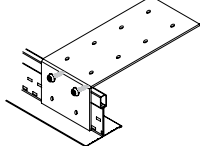


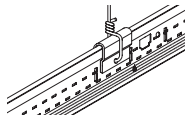


DRYWALL GRID SYSTEM

Accessories

VISUAL SELECTION

For more information, see submittal BPCS-3082 CAD drawings available at armstrong.com/

Item Number	Description		
<input type="checkbox"/> EHDC50 (for 1/2" ceiling panels and drywall) <input type="checkbox"/> EHDC58 (for 5/8" ceiling panels and drywall) <input type="checkbox"/> EHDC75 (for 3/4" ceiling panels and drywall) 150 pcs/bucket	External Hold Down Clip locks under bulb of grid section to prevent upward movement and provide secure attachment surface. Keeps acoustical and drywall ceiling components in place during wind uplift and in high security areas.		
<input type="checkbox"/> DLCC 250 pcs/bucket	DLCC – Direct Load Ceiling Clip is used to hang suspension system below existing 15/16" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling and to support heavy accessories		
<input type="checkbox"/> DDC 250 pcs/bucket	DDC – Double Drywall Clip is used to hang suspension system below existing 1-1/2" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling and to support heavy accessories; allows for double layer of 5/8" gypsum board		
<input type="checkbox"/> DWC 250 pcs/bucket	DWC – Drywall Clip allows for a "second" ceiling to be installed below a drywall ceiling; attaches through installed drywall to supporting structure		
<input type="checkbox"/> MBAC 70 pcs/bucket	Main Beam Adapter Clip attaches to web of suspension system section; provides larger surface for screw attachments; used as a hold down clip for thin material (metal or plastic lay-in panels); fastens drywall track to underside of exposed suspension system with lay-in panels, leaving suspension system face free of screw holes		
<input type="checkbox"/> XTAC 100 pcs/bucket	XTAC – Cross Tee Adapter Clip is used to attach field cut cross tees to main beams		
<input type="checkbox"/> QSUTC 100 pcs/bucket	QSUTC – QuikStix™ Upright Clip saves time in tight plenum areas and is adjustable to uneven surfaces		
<input type="checkbox"/> IIC  36 pcs/box	Impact Isolation Clip for use with HD8906IIC drywall grid main beam. Provides up to 8 points of IIC improvement to ensure your project meets IBC requirements. IIC Clip must be used with HD8906IIC Drywall Grid Main Beam		

woodworks linear

WoodWorks® Linear 3-3/4" Ceiling System in Natural Variations™ Maple
NaviNet, Inc., Boston, MA
Vision 3 Architects, Providence, RI



WALLS

WALLS – Standard At-a-Glance

WOOD WALLS



WoodWorks® Standard Walls pgs. 317-318



WoodWorks Channeled Walls pgs. 319-320



WoodWorks Ekos® Wall System pg. 321



Standard & Channeled



Ekos



TEXTURED SCRIM WALLS



Optima® Wall Panels pg. 314



SoundScapes® Shapes Walls pg. 314



Painted Nubby™ Wall Panels pg. 314



Optima & Painted Nubby



White (WH)

SoundScapes Shapes



FABRIC WALLS



Soundsoak® Standard pg. 311



Woven Fabrics (Sample of selection shown. See pages 311-312 for full fabric offering)
Fabrics are dye-lotted and should be segregated by dye lot.



FR-701 (FR)



Blue Neutral (BN)



Black (BL)



Blue Papier (BR)



Anchorage™ (AN)



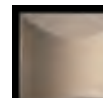
Angora (AG)



Vanilla (VN)



Goose (GS)



Wall Mount Sound Diffuser



Lido™ (LD)



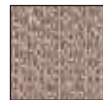
Bryce Canyon (BC)



Balboa (BA)



Hermosa (HE)



Metallation™ (MT)



Chrome (CH)



Polished Pewter (PP)

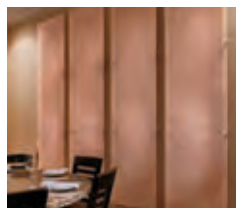


Stainless (ST)

TRANSLUCENT PARTITIONS AND WALLS



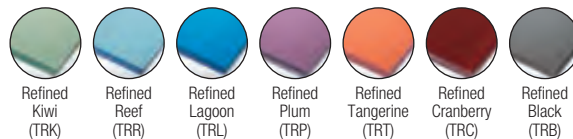
Infusions® Partitions pg. 322



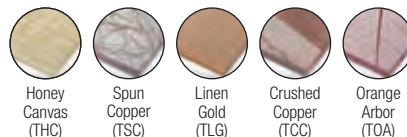
Infusions Walls pgs. 323-324



Solids (Sample of selection shown. See pages 322-324 for full color offering.)



Patterns – Goldtones



WALLS – Custom At-a-Glance

WOOD WALLS



WoodWorks® Custom Walls pgs. 317-318



Custom



Sample of veneers shown.
Custom veneer coordination available.

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product with high level of performance.

High Acoustics

Acoustical options available.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Fire Performance Class A

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per ASTM D4828.

Scrubability

Product is scrubable. See specific info on product page.

Impact Resistance

Excellent resistance to surface impact as per Falling Ball Test.

Scratch Resistance

Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability

Available in color.

Recycle Program

Product is recyclable through the Armstrong Recycling Program

METAL WALLS



Custom Metal Walls pgs. 315-316



Metal



Sample of color selection shown.
Custom and RAL colors available.

FABRIC WALLS

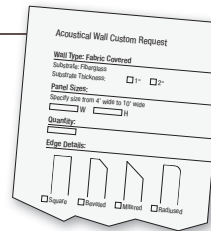
Custom Fabrics & Sizes – You Select It, We'll Make It!



Soundsoak® Custom pg. 312



Choose a standard fabric or select your own.
We'll create your walls.



Contact Architectural Specialties at 1 877 ARMSTRONG, and select options 1-1-4 for assistance with your Custom Walls project.

RECOMMENDED AREAS OF USE

Dots represent high level of performance.

Product	Substrate	Finish	NRC Rating		STC Rating		Conf. Rooms	Private Offices	Classrooms	Corridors	Cafetorium	Music Rooms	Patient Rooms
			A Mounting	D Mounting	1 Side	2 Sides							
Soundsoak 60	Mineral Fiber	Woven Fabric Composed Fabric	0.65	0.70	43	45	•	•	•	•	•	•	•
Soundsoak 60	Mineral Fiber	Vinyl	0.50	0.50	43	45	•	•	•	•	•	•	•
Soundsoak 85	Fiberglass	Woven Fabric Composed Fabric	0.80	0.90	•	•	•	•	•	•	•	•	•
Soundsoak Custom 1"	1" Fiberglass	Woven Fabric	0.80	0.90	•	•	•	•	•	•	•	•	•
Soundsoak Custom 2"	2" Fiberglass	Woven Fabric	1.05	1.15	•	•	•	•	•	•	•	•	•
Optima®	Fiberglass	DuraBrite® Finish	0.80	0.90	•	•	•	•	•	•	•	•	•
Painted Nubby™	Fiberglass	Woven Cloth	0.70	0.80	•	•	•	•	•	•	•	•	•
Soundscape® Shapes	Fiberglass	Scrim Finish	0.80	0.90	•	•	•	•	•	•	•	•	•
Custom Metal	Metal	Smooth Metal	Varies	Varies	•	•	•	•	•	•	•	•	•
WoodWorks Standard & Custom	Wood	Smooth or Perforated Wood Veneer	0.45-0.80†	0.45-0.90†	•	•	•	•	•	•	•	•	•
WoodWorks Ekos®	Wood	Smooth or Perforated Wood Veneer	0.45	0.50	43	45	•	•	•	•	•	•	•

† With 1" fiberglass infill and fleece

Hytex® is a trademark of Hytex Industries. Guilford of Maine™ is a registered trademark of Guilford of Maine. Designtex® is a registered trademark of Steelcase Corporation.

SOUND SOAK®

Standard

Acoustical Wall Systems

VINYL 77% MINERAL FIBER 67% FIBER-GLASS 52% RECYCLED CONTENT

LEED®

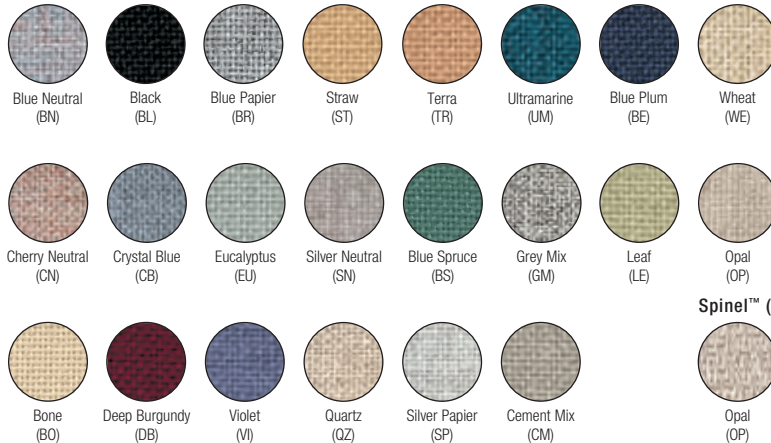
acoustics energy daylight & views indoor air quality renewable materials recycled content waste mgmt local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



Soundsoak® Wall System 24" x 72" panels in FR-701 Eucalyptus fabric

FR-701 (FR)



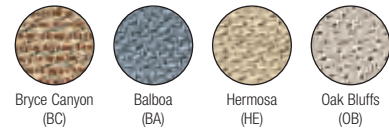
Fabrics are dye-lotted and should be segregated by dye lot. Do not mix.

KEY SELECTION ATTRIBUTES

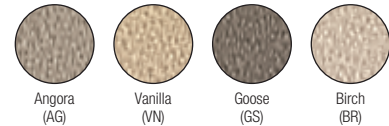
- Available in two substrates, a variety of fabric and vinyl colors, in a wide range of sizes
- Acoustical inner core absorbs 50-90% of sound striking surface
- 3 to 6 times the sound absorption of fabric-covered gypsum
- Easy to install over existing walls
- Wide variety of chair rail accessories for design and durability
- Coordinate finishes Soundsoak Baffles (pgs. 63-64); and Diffusers (pg. 313)
- Full finish offering at armstrong.com/soundsoak
 - Rhythms, Tempos, Signature, and Classic

WOVEN FABRIC SURFACE

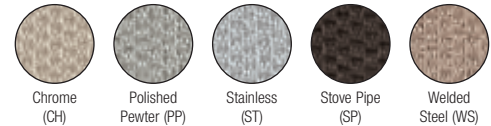
Lido™ (LD)



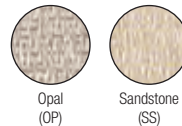
Anchorage™ (AN)



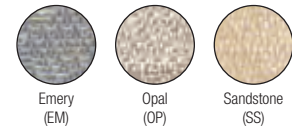
Metalation™ (MT)



Spinel™ (SP)



Zirconia™ (ZC)



VISUAL SELECTION

For SoundSoak corners, chair rails, and moldings, see pg. 326.

PERFORMANCE

Dots represent high level of performance.

Product	Item Number*	Substrate	Finish	Dimensions			Surface Type**	NRC Rating		STC Rating†	
				Panel Width	Panel Height	Panel Thickness		A Mount	D Mount	1 Side	2 Sides
Soundsoak 60	40__0__	Mineral Fiber	Woven Fabric Composed Fabric	30"	72", 96", 108", 120" (06) (08) (09) (10)	3/4"	W: FR, AN, MT, LD, SP, ZC C: RH, TS	0.65 •	0.70 •	43	45
Soundsoak 60	42__0__	Mineral Fiber	Vinyl	24"	72", 96", 108", 120" (06) (08) (09) (10)	5/8"	SV, CV	0.50 •	0.50 •	43	45
Soundsoak 85	32__1__	Fiberglass	Woven Fabric Composed Fabric	24"	72", 96", 108", 120" (06) (08) (09) (10)	1"	W: FR, AN, MT, LD, SP, ZC, RH C: RH, TS	0.80 •	0.90 •	—	—

** FR-701 (FR), Lido (LD), Spinel (SP), Zirconia (ZC), Metalation (MT), Anchorage (AN), Tempos (TS), Rhythms® (RH), Classic Vinyl (CV), Signature Vinyl (SV)

* Add panel height, surface type, and color when specifying or ordering.

EXAMPLES:



PHYSICAL DATA

Fire Performance

Factory Mutual Approvals certificate; (Corner Burn Test meets UBC Standard 8-2 and NFPA 265, fully lined protocol) MEA # 162-87-M
Tested to ASTM E84 – 25/200
Tested to CAN/ULC S102*** – 25/250
Composite Class A rating per IBC (fabric, substrate, and adhesive)

For more details on Soundsoak fire performance, visit our web site at armstrong.com/soundsoak

The ASTM E84 or CAN/ULC S102 standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment, which takes into

account all of the factors, which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

Wall Construction†

3-5/8" metal studs with one layer of 5/8" drywall on both sides and Soundsoak 60 on one or both sides.

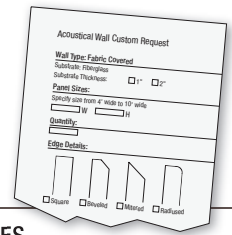
Warranty

Warranty details at armstrong.com/warranty

SOUND SOAK®

Custom Acoustical Wall Systems

Use our online Custom Walls Selection Form at armstrong.com/customsoundsoak, and we will create walls to your specifications.



Custom Soundsoak® Walls in Guilford Block Party Canyon fabric with Half Bevel edge detail



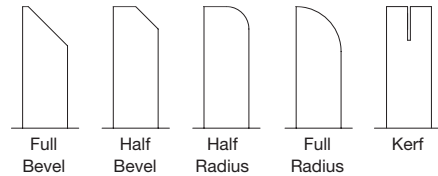
Custom Soundsoak Wall System in Custom Carnegie Strie fabric with Kerf edge detail

KEY SELECTION ATTRIBUTES

- Variety of capabilities in fabric, vinyl, painted and drywall look finishes.
- Custom fiberglass panels up to 48" wide and 144" high or 60" wide and 120" high on 1/2" – 4" fiberglass
- Tackable options including 5/8" thick mineral fiber panels that will sit flush with door frames – perfect for offices and corporate environments.
- Variety of impact resistant panels available for high traffic and high abuse areas.
- Convex and concave curved panels in up to 48" x 144" sizes.

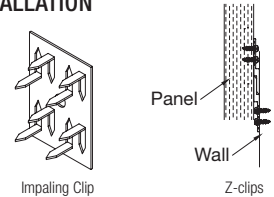
EDGE DETAILS

Fabric-wrapped edge profile options on custom panels include: square, beveled, mitered and radiused edges.



FLEXIBLE INSTALLATION

- Impaling Clips
- Z-clips
- Adhesive



ACOUSTICAL PERFORMANCE

Fiberglass Thickness	NRC*
3/4"	0.70
1"	0.80
1-1/8"***†	0.85
1-1/2"	0.95
2"	1.05
2-1/8"***†	0.95
3"	1.15

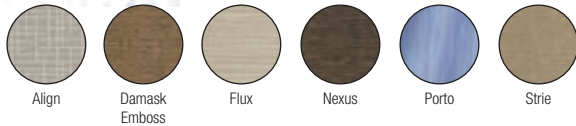
Dots represent high level of performance.

* Acoustical performance may vary depending on the fabric used.
 ** 2" and 3" thick panels are designed to reduce noise and reverberation in spaces, especially those exposed to exterior transportation noise or interior equipment and appliance noise.

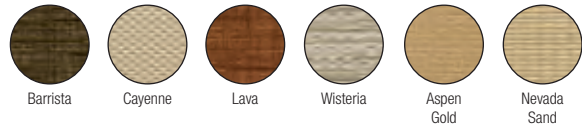
† Fiberglass with 1/8" MFG for impact resistance

CUSTOM FABRICS (PARTIAL LIST) Due to printing limitations, shade may vary from actual product.

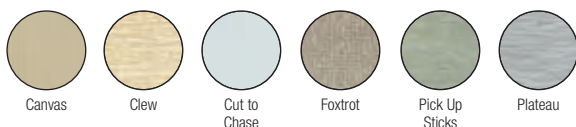
Carnegie



HYTEX®



DESIGN TEX



NOTE: Custom Soundsoak is also available in all standard woven Soundsoak fabrics.

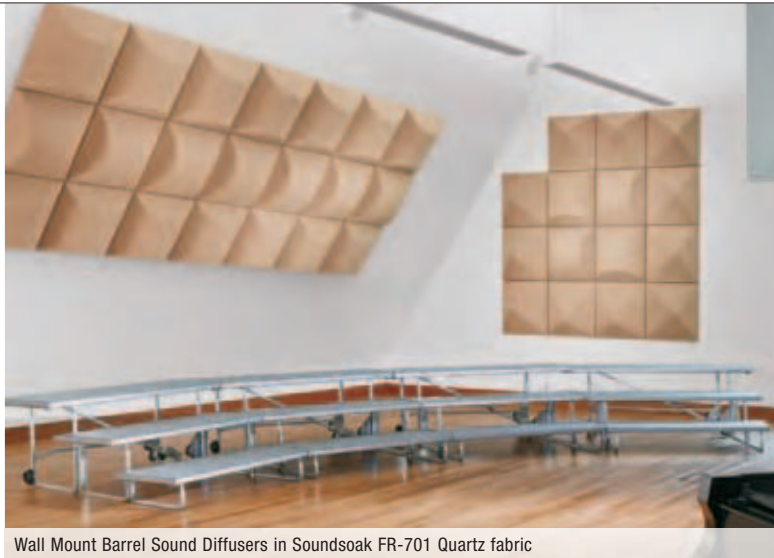
- Choose from a large selection of panel fabrics and vinyls from manufacturers like:
- Guilford of Maine™
 - Hytex®
 - Carnegie
 - Koroseal®
 - Maharam®
 - Knoll®
 - Designtex®

Guilford of Maine™ is a registered trademark of Guilford of Maine.
 Hytex® is a trademark of Hytex Industries.
 Koroseal® is a trademark of RJF International Corporation.
 Maharam® is a registered trademark of Maraham fabric corporation.
 Knoll® is a registered trademark of Knoll, Inc.
 Designtex® is a registered trademark of Steelcase Corporation.



SOUND DIFFUSERS

Standard Sound Reflecting Panels



Wall Mount Barrel Sound Diffusers in Soundsoak FR-701 Quartz fabric

KEY SELECTION ATTRIBUTES

- Available in White gelcoat and a wide selection of fabric finishes
- Easy to install
- Diffusers blend sound for improved acoustics
- For information about coordinating ceiling diffusers, visit armstrong.com/diffusers.

TYPICAL APPLICATIONS

- Auditoriums
- Music rooms
- Cafeteriums
- Presentation areas

GELCOAT SURFACE



White (WH)

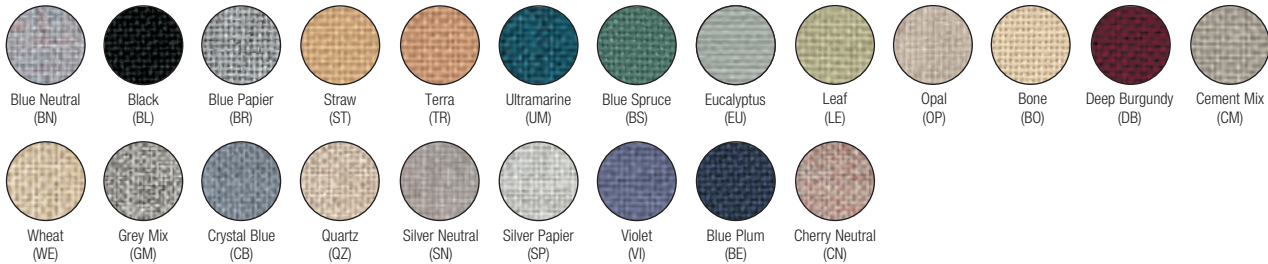


Ceiling Pyramid Lay-in Sound Diffusers in White Gelcoat

WOVEN FABRIC SURFACE



Due to printing limitations, shade may vary from actual product.

FR-701 (FR)



VISUAL SELECTION

PERFORMANCE

Item Number*	Description	Dimensions Nominal W x L x H (Inches)	Finish	Acoustics NRC
Wall Diffusers				
Wall Mount 	5378WMWH	Pyramid Diffuser	24 x 24 x 8"	White gelcoat 0.10
	5378WMFR _	Pyramid Diffuser	24 x 24 x 8"	Fabric FR-701 0.15
	5584WMWH	Pyramid Diffuser	24 x 48 x 8"	White gelcoat 0.10
	5584WMFR _	Pyramid Diffuser	24 x 48 x 8"	Fabric FR-701 0.15
	5586WMWH	Pyramid Diffuser	48 x 48 x 8"	White gelcoat 0.10
	5586WMFR _	Pyramid Diffuser	48 x 48 x 8"	Fabric FR-701 0.15
Wall Mount 	5379WMWH	Barrel Diffuser	24 x 24 x 8"	White gelcoat 0.10
	5379WMFR _	Barrel Diffuser	24 x 24 x 8"	Fabric FR-701 0.25
	5585WMWH	Barrel Diffuser	24 x 48 x 8"	White gelcoat 0.10
	5585WMFR _	Barrel Diffuser	24 x 48 x 8"	Fabric FR-701 0.25
	5587WMWH	Barrel Diffuser	48 x 48 x 8"	White gelcoat 0.10
	5587WMFR _	Barrel Diffuser	48 x 48 x 8"	Fabric FR-701 0.25

* When specifying or ordering, include the appropriate 2-letter color suffix FR-701 fabric option (e.g., 5378WMFR B L for Black fabric).

PHYSICAL DATA

Material

Fiber reinforced plastic (FRP)

Surface Finish

Fabric

Fire Performance

Fabric panels – Composite Class A rating per IBC; tested to ASTM E84 – Flame Spread rating of 25 or less; CAN/ULC S102 – Flame Spread rating of 115 or less
Gelcoat panels – Composite Class B rating per IBC; tested to ASTM E84 – Flame Spread rating of 75 or less; CAN/ULC S102 – Flame Spread rating of 110 or less

Installation Considerations

Cutting panels is not recommended. Wall mounting clips are included with Wall Mount Diffuser shipment only.

Seismic Restraint

These systems have been engineered, tested, and meet the requirements for ceiling applications in Seismic Design Categories D, E, and F

Warranty

Warranty details at armstrong.com/warranty

Weight/Square Feet

Gelcoat – 1.25 lbs/SF
Fabric – 1.25 lbs/SF

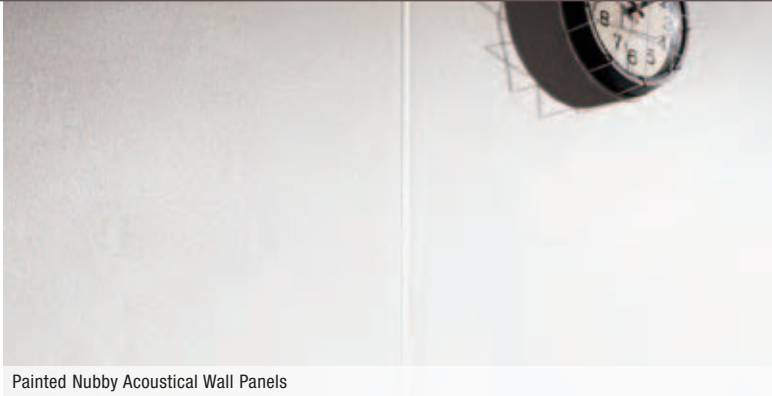
OPTIMA® & PAINTED NUBBY™ Wall Panels

UP TO **71%** RECYCLED CONTENT

LEED®

- acoustics
- energy
- daylight & views
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



Painted Nubby Acoustical Wall Panels

KEY SELECTION ATTRIBUTES

- Excellent sound absorption
- Durability
 - Washable
 - Scratch-resistant
 - Soil-resistant
- Smooth, bright surface

TYPICAL APPLICATIONS

- Corridors
- Multipurpose rooms
- Swimming pools

COLOR



VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Substrate	Finish	Item Number	Dimensions (Inches)	NRC Rating	
				A Mounting	D-20 Mounting
OPTIMA					
Fiberglass	DuraBrite®	3154	48 x 96 x 1"	0.80	0.90
PAINTED NUBBY					
Fiberglass	Woven Cloth	3104	48 x 96 x 1"	0.70	0.80

For performance and physical data, see pgs. 194-196, 209.

ACCESSORIES

Description	Item Number	Dimensions (Inches)	Color
INSTALLATION C CHANNEL			
Extruded PVC Plastic	3107	1 x 96 x 1"	White
INSTALLATION H CHANNEL			
Extruded PVC Plastic	3108	1-5/8 x 96 x 1"	White

A Mounting – Mounting directly against existing surface D-20 Mounting – Mounting spaced 3/4" from existing surface using 1" x 4" furring strips

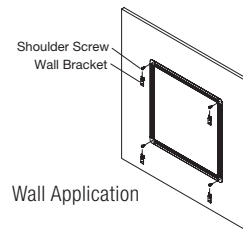


OPTIMA



PAINTED NUBBY

SOUNDSCAPES® SHAPES Wall Panels



For more information, see pgs. 51-52 or visit armstrong.com/shapes



SoundScapes Shapes 5440 and 5448 in Tangerine – upper wall and ceiling; Soundsoak Custom Wall Panels in coordinating fabric – lower wall

KEY SELECTION ATTRIBUTES

- 10 shape options
- Coordinate with Armstrong or other interior finishes including SoundScapes Shapes or Blades, Infusions® Lay-in panels, walls & partitions or Create!™ ceilings.
- Quick and easy to install directly to wall

COLORS

Due to printing limitations, shade may vary from actual product.

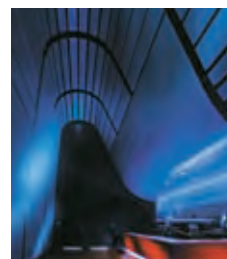
White (WH)	Shell (SH)	Pale Lemon (LM)	Pecan (PC)	Sky (SK)
Moss (MS)	Stone (SE)	Reef (RE)	Lagoon (LA)	Plum (PM)
Cranberry (CN)	Kiwi (KW)	Tangerine (TG)	Black (BK)	

CUSTOM METAL WALLS

smooth texture



Custom Metal Walls unperforated and with Rd 1522 perforation in Custom RAL 7024 finish



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: metal walls

KEY SELECTION ATTRIBUTES

- Variety of colors, sizes, and perforations; custom colors available
- Durable – Washable, Scrubbable, Soil-resistant
- Coordinate with MetalWorks™ ceilings

STANDARD COLORS

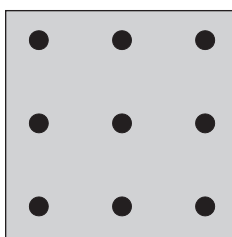
Due to printing limitations, shade may vary from actual product.



PERFORATION SELECTION

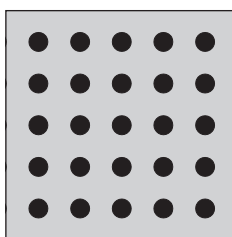
Actual 1:1 scale shown unless otherwise noted.

Type: Round-Straight



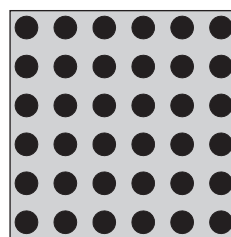
Rg 2504

Hole Size:
2.5mm [.098"]
% Open Area:
12.0%



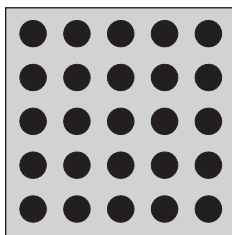
Rg 2516

Hole Size:
2.5mm [.098"]
% Open Area:
16.0%



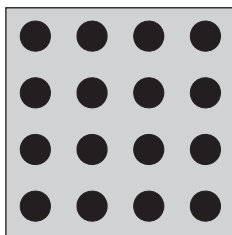
Rg 3027

Hole Size:
10mm [.394"]
% Open Area:
59.2%



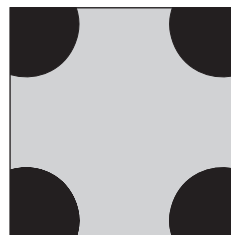
Rg 3529

Hole Size:
3.5mm [.138"]
% Open Area:
29.0%



Rg 4022

Hole Size:
4.0mm [.157"]
% Open Area:
22.0%



Rg 14023

Hole Size:
14.0mm [.551"]
% Open Area:
23.0%

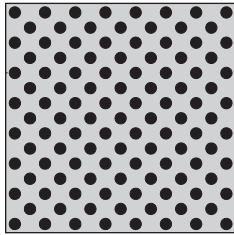
Project assistance available from the Architectural Specialties project management team; call 1 877 ARMSTRONG and select options 1-1-4.

CUSTOM METAL WALLS

smooth texture

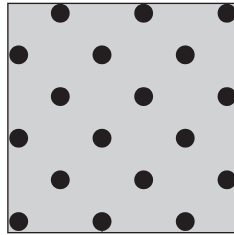
PERFORATION SELECTION Actual 1:1 scale shown unless otherwise noted.

Type: Round-Diagonal



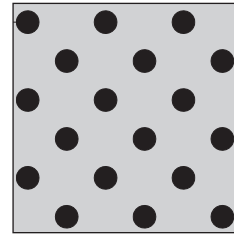
Rd 1522

Hole Size:
1.5mm [.059"]
% Open Area:
22.0%



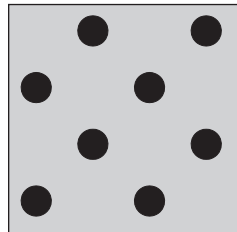
Rd 2508

Hole Size:
2.5mm [.098"]
% Open Area:
8.0%



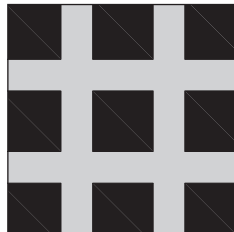
Rd 3013

Hole Size:
3.0mm [.118"]
% Open Area:
13.0%



Rd 4011

Hole Size:
4.0mm [.157"]
% Open Area:
11.0%

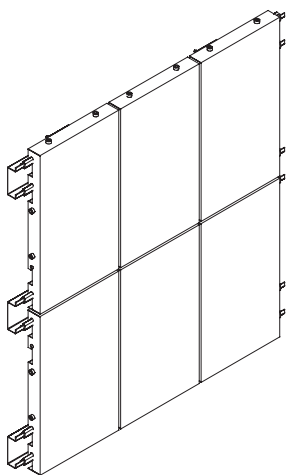


Qg 8043

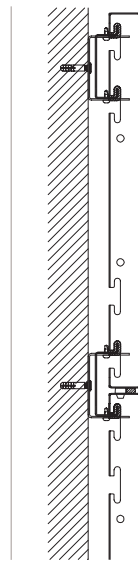
Hole Size:
8mm [.315"]
% Open Area:
43.0%

Type: Square-Straight

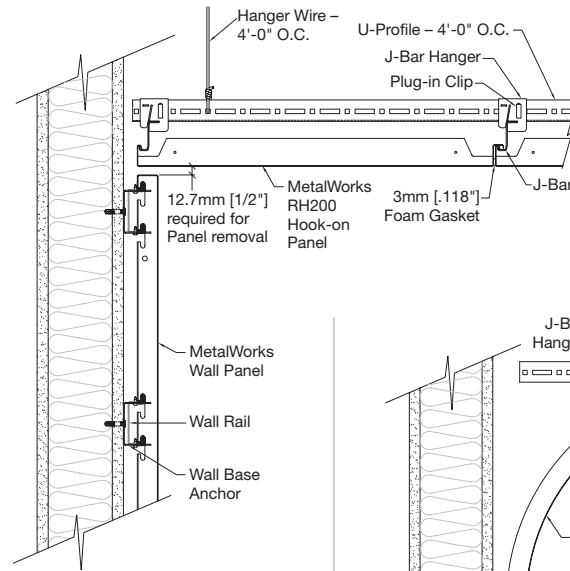
SYSTEM ASSEMBLY



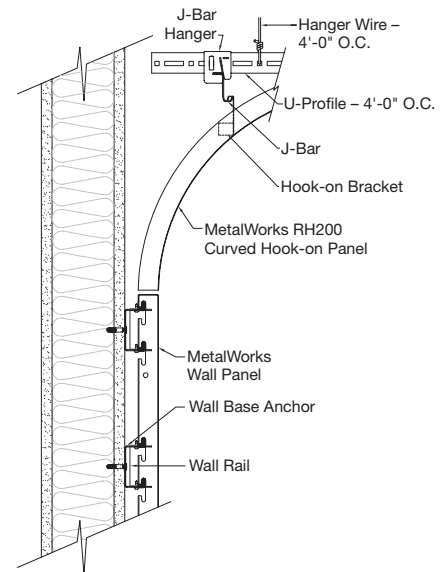
Custom Metal Wall Isometric (front view)



Custom Metal Wall Section



Custom Metal Wall-to-Ceiling 90° Transition



Custom Metal Wall-to-Ceiling Curved Transition

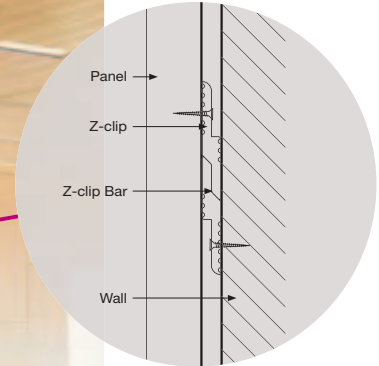
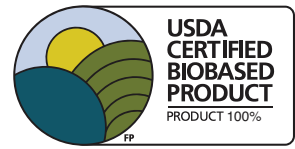


WOODWORKS®

Standard Wall Panels



The mark of responsible forestry



WoodWorks Wall panels 24" x 48" on Z-clips and WoodWorks Vector® Ceiling panels 24" x 48" with custom perforation (running parallel to the short side of the panel) in custom Vertical Grain Douglas Fir



Visit Armstrong.com
Photo Gallery to view more
installation photos

SEARCH: woodworks walls

KEY SELECTION ATTRIBUTES

- Coordinate veneer choice with WoodWorks ceilings
- Install panels horizontally or vertically using clips or splines
- Variety of standard wood species, stains, panel sizes, and perforation options
- Perforated panel with acoustical backing improves sound quality and reduces reverberation time within a space
- USDA Certified Biobased Product 100% (preferred for government projects)
- California Air Resources Board (CARB) compliant

VENEER SELECTION Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)

Bamboo (Rapidly Renewable)



Maple (NMP)



Light Cherry (NLC)



Dark Cherry (NDC)



Patina (BAP)



Native (BAN)

PERFORATION OPTIONS (Actual 1:6 scale shown)



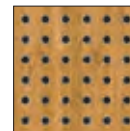
W1 (Unperforated)



W2 - Rg 6006 (Round Straight)



W3 - Rd 6006 (Round Diagonal)



W4 - Rg 6011 (Round Straight)



W5 - Lg 9512 (Oval Straight Slotted)



W6 - Lg 9508 (Oval Straight Slotted)

NOTE: Slotted perforations run parallel to the length of the panel.

To view more perforation information and build swatches in real time, visit armstrong.com/swatchit

For premium and custom veneer, stain, perforation, and size options, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select options 1-1-4.

WOODWORKS®

Standard Wall Panels





92% RECYCLED CONTENT

LEED®

- acoustics
- energy
- certified wood*
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local** materials

Calculate LEED contribution at armstrong.com/greengenie *OPTIONS AVAILABLE **LOCATION DEPENDENT

VISUAL SELECTION

Item Number*	Dimensions Nominal W x L x H (Inches)	Perforation Options	Installation Options	Finish Options
FSC®-certified WOODWORKS Wall Panels with Acoustical Fleece				
5814 _____	23-3/4 x 48 x 3/4" 	W1, W2, W3, W4, W5, W6	X (Z-clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5818 _____	23-3/4 x 96 x 3/4" 	W1, W2, W3, W4, W5, W6	X (Z-clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5819 _____	23-3/4 x 108 x 3/4" 	W1, W2, W3, W4, W5, W6	X (Z-clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5820 _____	23-3/4 x 120 x 3/4" 	W1, W2, W3, W4, W5, W6	X (Z-clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
<p>* When specifying or ordering, include the appropriate perforation, installation, and finish suffixes.</p> <p>NOTE: For veneers and sizes available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.</p> <p>EXAMPLE: 5814 W1 K NMP</p> <p>Panel Dimensions: 24" x 48" panel Perforation: Unperforated Installation: Spline installation Finish: Natural Variations Maple</p>				

ACOUSTICAL PERFORMANCE

Dots represent high level of performance.

Perforation	NRC Rating		WoodWorks Walls perforations align with the following ceiling panels:		
	D Mounting with Acoustical Fleece	D Mounting with 1" Fiberglass Infill***	Perforation	WoodWorks Vector®	WoodWorks Concealed
W1	N/A	N/A	W2	yes	yes
W2	0.50	0.65	W3	yes	yes
W3	0.50	0.65	W4	yes	no
W4	0.55	0.80	W5	yes	no
W5	0.45	0.70	W6	yes	no
W6	0.45	0.60			

*** Fiberglass Infill Panel Item 8200100

ACCESSORIES

For corners, splines, Z-clips, and infill panel options, see page 325.

COLORS AND PERFORATIONS

NV Maple (NMP)	NV Dark Cherry (NDC)	Bamboo Patina (BAP)	W1 (Unperforated)	W3 (Rd 6006)	W5 (Lg 9512)
NV Light Cherry (NLC)		Bamboo Native (BAN)	W2 (Rg 6006)	W4 (Rg 6011)	W6 (Lg 9508)

PHYSICAL DATA

Material
FSC-certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain (special order panels available).

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Design Considerations
The reveal width on WoodWorks Tegular panels and WoodWorks Walls is different. For an application with the same size reveal in the ceiling and on the wall, order custom cut panels or use Tegular ceiling panels Z-clipped to the wall.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
Panels – 2.75 lbs/SF; bulk packaged per order.



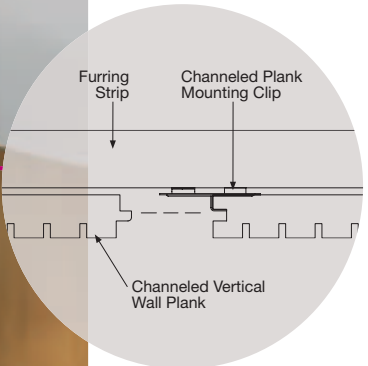
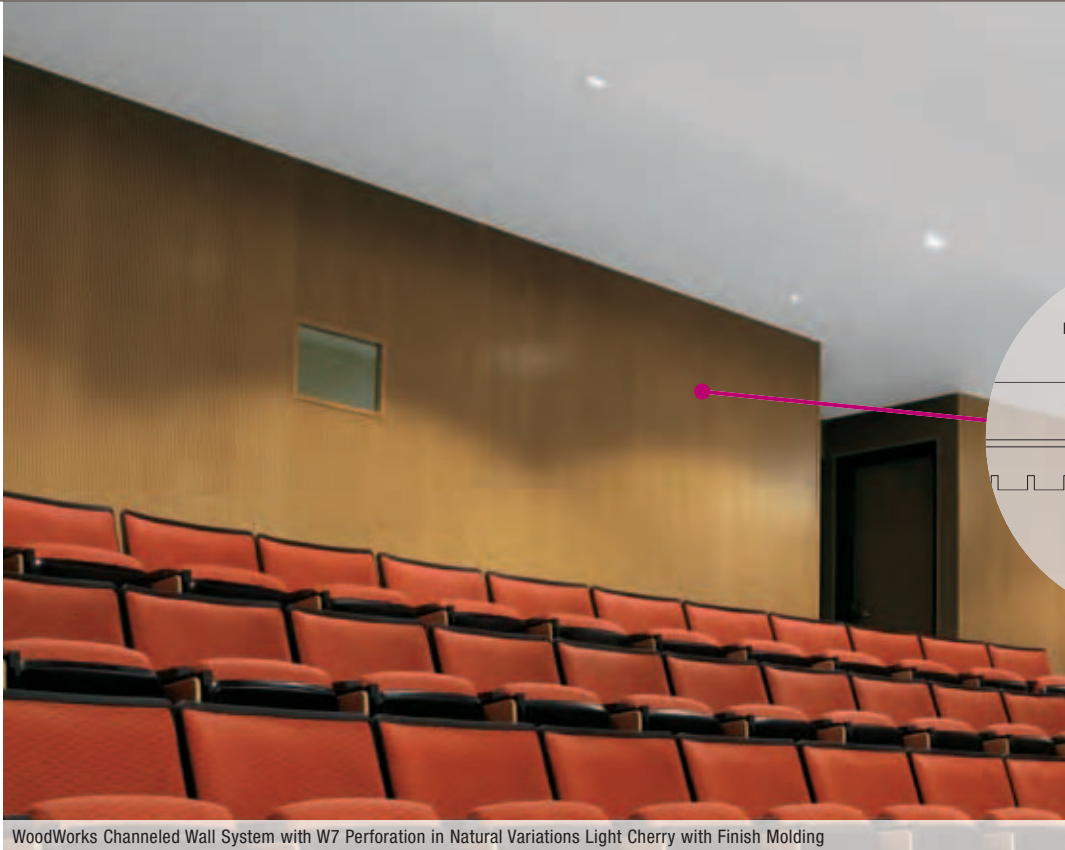
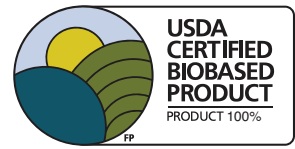
WOODWORKS® Channeled Standard Wall Plank



The mark of responsible forestry



Images products are not FSC or Rainforest Alliance Certified



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: woodworks channeled

KEY SELECTION ATTRIBUTES

- Perforated panel with acoustical backing improves sound quality and reduces reverberation time within a space
- Install in the ceiling, on the wall, or create 90° angled ceiling-to-wall transitions
- Two plank lengths available as standard products
- California Air Resources Board (CARB) compliant
- USDA Certified Biobased Product 100% (preferred for government projects)
- Shorter lead times and lower cost than custom millwork
- Class A fire performance

VENEER SELECTION

Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)

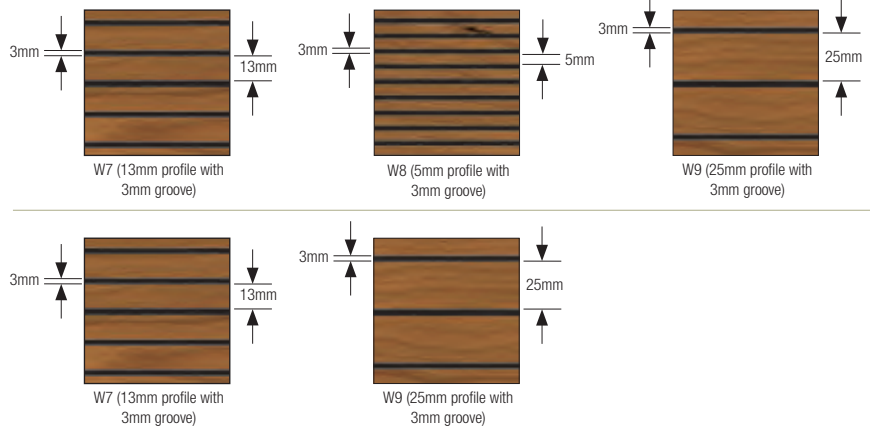


Images Finishes (High Quality Printed Finishes)



PERFORATION OPTIONS

(Actual 1:2 scale shown)



For custom veneers, stains, and sizes, contact the Armstrong Architectural Specialties project management team at 1 877 ARMSTRONG and select prompts 1-1-4.

WOODWORKS® Channeled Standard Wall Plank

92% RECYCLED CONTENT

LEED®



- acoustics
- energy
- certified wood*
- indoor air quality
- renewable materials
- recycled content
- waste mgmt
- local* materials

Calculate LEED contribution at armstrong.com/greengenie

*OPTIONS AVAILABLE
**LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Item Number♦	Dimensions Nominal W x L x H (Inches)	Acoustics NRC	Fire Rating
WOODWORKS Natural Variations FSC®-certified Channeled Wall Plank Perforated with Acoustical Fleece				
	5900WW7 _ _ _	5.553 x 96 x 3/4"	0.75, 0.90 [†] • •	Class A
	5900WW8 _ _ _	5.553 x 96 x 3/4"	0.75, 0.90 [†] • •	Class A
	5900WW9 _ _ _	5.553 x 96 x 3/4"	0.55, 0.70 [†] •	Class A
	5901WW7 _ _ _	5.553 x 120 x 3/4"	0.75, 0.90 [†] • •	Class A
	5901WW8 _ _ _	5.553 x 120 x 3/4"	0.75, 0.90 [†] • •	Class A
	5901WW9 _ _ _	5.553 x 120 x 3/4"	0.55, 0.70 [†] •	Class A
WOODWORKS Images Channeled Plank Perforated with Acoustical Fleece				
	6688WW7 _ _ _	5.553 x 96 x 0.688"	0.75, 0.95 [†] • •	Class A
	6688WW9 _ _ _	5.553 x 96 x 0.688"	0.65, 0.70 [†] •	Class A
	6689WW7 _ _ _	5.553 x 120 x 0.688"	0.75, 0.95 [†] • •	Class A
	6689WW9 _ _ _	5.553 x 120 x 0.688"	0.65, 0.70 [†] •	Class A

♦ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5900WW7 **N M P**)
[†] NRC 0.70 or 0.90 when installed with 1" fiberglass backer
 NOTE: For sizes available as special order, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

ACCESSORIES

For corners, clips, and infill panel options, see page 325.

COLORS AND PERFORATIONS

Natural Variations

- NV Maple (NMP) W7 (13mm profile with 3mm groove)
- NV Light Cherry (NLC) W8 (5mm profile with 3mm groove)
- NV Dark Cherry (NDC) W9 (25mm profile with 3mm groove)

Images Finishes

- Images Maple (PMP) W7 (13mm profile with 3mm groove)
- Images Light Cherry (PLC) W8 (5mm profile with 3mm groove)
- Images Dark Cherry (PDC) W9 (25mm profile with 3mm groove)

PHYSICAL DATA – Natural Variations

Material

FSC-certified fire retardant medium density fiberboard with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfscc

Surface Finish

Clear or tinted semigloss coating

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Specification Consideration

Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Warranty

Warranty details at armstrong.com/warranty

Weight; Square Feet
2.2 lbs/SF (Bulk packaged)

PHYSICAL DATA – Images Finishes

Material

Fire retardant medium density fiberboard with high quality printed visual.

Surface Finish

Clear semigloss coating

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification

Composite – Fire Class A

Application Considerations

Images finishes feature a high definition print finish. A pattern repeat will occur approximately every 30".

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F must be maintained throughout the life of the product.

Warranty

Warranty details at armstrong.com/warranty

Panel Weight; Square Feet/Carton
2.2 lbs/SF (Bulk packaged)



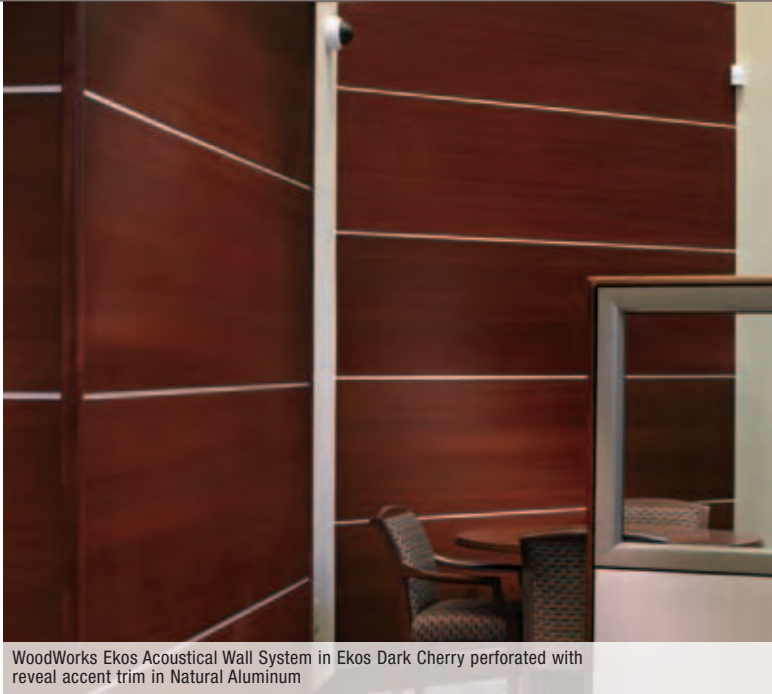
WOODWORKS™ Ekos® Standard Wall Panels

67% RECYCLED CONTENT

LEED®



Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT



WoodWorks Ekos Acoustical Wall System in Ekos Dark Cherry perforated with reveal accent trim in Natural Aluminum

KEY SELECTION ATTRIBUTES

- Panels can be installed horizontally or vertically
- No detectable VOC emissions
- Can help contribute to LEED credits with no-added formaldehyde and high recycled content
- Less expensive and easier to install than custom millwork

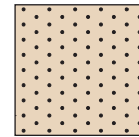
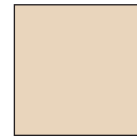
VENEER SELECTION

Due to printing limitations, shade may vary from actual product.



PERFORATION OPTIONS Actual 1:1 scale shown.

Type: Unperforated Type: Round-Staggered



Ekos Perforation
Hole Size:
0.4mm [.015"]
% Open Area:
5.7%

VISUAL SELECTION

PERFORMANCE

Item Number*	Description	Dimensions (Inches)	Pcs/Ctn	Ekos Finishes	Acoustics NRC Rating		Acoustics STC Rating		Recycling Program
					A	D Mounting	1 side	2 sides	
Unperforated Panels									
5800_ _ _	8' Ekos Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	Yes
5801_ _ _	9' Ekos Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	Yes
5802_ _ _	Nominal 10' Ekos Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	Yes
Perforated Panels									
5803_ _ _	8' Ekos Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	Yes
5804_ _ _	9' Ekos Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	Yes
5805_ _ _	Nominal 10' Ekos Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	Yes

* When specifying or ordering, please include pieces/carton and color suffix. EXAMPLE: 5805 4 H G – Four nominal 10' perforated panels in Ekos Mahogany finish.

ACCESSORIES

For installation splines, corners, chair rails, etc., see page 326.

PHYSICAL DATA

Panel Material

Mineral fiber with real wood veneers. Face veneers are quarter-cut, random-matched Anigre or Makore veneers stained to the Ekos finishes.

Panel Surface Finish

Tinted, no-solvent coatings on face veneers.

Accessory Material



Milled solid wood stained to coordinate with Ekos finishes. Extruded aluminum.

Wall Construction

Wall construction is one layer 5/8" drywall each side of 3-5/8" metal stud, with Ekos panels attached on one or both sides.

Fire Performance

Class B fire performance per IBC. Flame Spread Rating of 50 or less and Smoke Developed Classification of 100 or less when tested per ASTM E84 or CAN/ULC S102.

Application Considerations

Due to the natural characteristics of veneers, variations in color and grain can be expected. Do not mix panels from different lots. Veneered panels may also darken over time.

It is very important that WoodWorks Ekos panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Ekos wall panels are not recommended for use in high-traffic or high-impact areas. For these areas, contact Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4 to explore WoodWorks Custom wall systems.

Ekos wall panels may be installed horizontally. For more details, see armstrong.com/walls.

Warranty

Warranty details at armstrong.com/warranty

Weight/Square Feet

1.6 lbs/SF



INFUSIONS® Partitions

40% RECYCLED CONTENT

LEED®

acoustics

energy

daylight & views

indoor air quality

renewable materials

recycled content

waste mgmt

local* materials

Calculate LEED contribution at armstrong.com/greengenie

*LOCATION DEPENDENT



Infusions Partition in Spun Copper

KEY SELECTION ATTRIBUTES

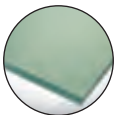
- Coordinate with Armstrong or other interior finishes including Infusions Walls, Lay-in panels, and canopies, SoundScapes® Shapes and Blades, or Create! ceilings.
- Standard products create a custom look
- Hang individually or in groups
- Panels and installation hardware packaged in one complete kit
- For Infusions panels and sheets, see pages 139-142. For Infusions Canopies, see pages 37-38. For Infusions Wings, see page 40. For Infusions Walls, see pages 323-324.

For more information, visit armstrong.com/infusions.

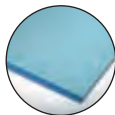
In addition to these standard options, panels are available in other colors. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select options 1-1-4.

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

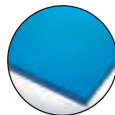
Solids – SoundScapes Coordinating Colors



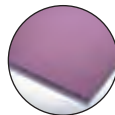
Refined Kiwi (TRK)



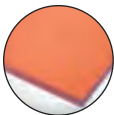
Refined Reef (TRR)



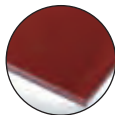
Refined Lagoon (TRL)



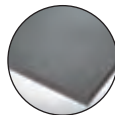
Refined Plum (TRP)



Refined Tangerine (TRT)

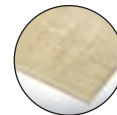


Refined Cranberry (TRC)

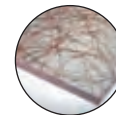


Refined Black (TRB)

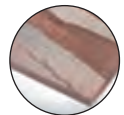
Patterns – Goldtones



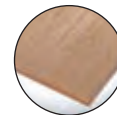
Honey Canvas (THC)



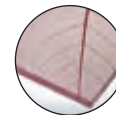
Spun Copper (TSC)



Crushed Copper (TCC)



Linen Gold (TLG)



Orange Arbor (TOA)

PANEL SELECTION

Item Number*	Dimensions (Inches)	Color
INFUSIONS Partitions		
5845_ _ _	24 x 72 x 1/4" <input type="text"/>	See above

* When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5845 I B K).
NOTE: Ceiling Hanging Kit and Floor Mounting Kit hardware included with panels.
Joining Kits must be ordered separately.

ACCESSORIES

Item Number	Description	Color	Pcs/Ctn
INFUSIONS Partitions			
5927	Joining Kit	Silver	3 Clamps



PHYSICAL DATA

Material
PETG

Surface Finish
Smooth

Fire Performance

Infusions panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Contact TechLine at 1 877 ARMSTRONG for specific US and Canadian fire performance data.

Installation and Design Considerations

Do not allow panel edges to get wet.

Infusions panels are not approved for exterior application. Panel kits include ceiling hanging kit and floor mounting kit hardware. Floor mounting hardware is optional, but recommended. Floor mounting hardware requires field drilling pilot holes in panels.

Linking kits must be ordered separately.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F.

Warranty

Warranty details at armstrong.com/warranty

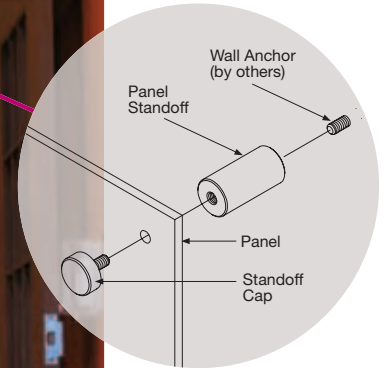
Weight; Pieces/Carton

Panel weight – 25 lbs
2 pieces/carton
Carton weight – 55 lbs



INFUSIONS®

Walls



Infusions Walls 24" x 96" in Spun Copper

KEY SELECTION ATTRIBUTES

- Coordinate with Armstrong or other interior finishes including Infusions Partitions, Lay-in panels, and canopies, SoundScapes® Shapes and Blades, or Create! ceilings.
 - Hang individually or in groups
 - Factory-drilled to accept Point Support hardware kit
 - Aluminum Point Support Kit offers contemporary sleek visual.
 - For Infusions panels and sheets, see pages 139-142.
 - For Infusions Canopies, see pages 37-38.
 - For Infusions Wings, see page 40.
 - For Infusions Partitions, see pages 322.
- For more information, visit armstrong.com/infusions.

COLOR SELECTION – PATTERNS Due to printing limitations, shade may vary from actual product

Goldtones



Honey Canvas (THC)



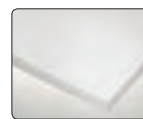
Spun Copper (TSC)



Crushed Copper (TCC)



Linen Gold (TLG)

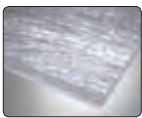


Natural Linen† (TNL)

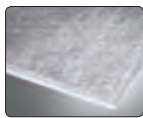


Blue Linen† (TBL)

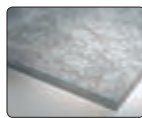
Crystallines



Crystalline Focus (TCR)



Crystalline Silverado (TSV)



Crystalline Sky (TSY)

Tone-on-tones



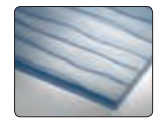
Chalk Folio (TCF)



White Circlets (TWC)



Silver Orbit (TSR)



Indigo Surf (TNS)

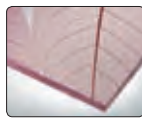
Arbors



Clear Arbor (TCA)



Blue Arbor (TBA)



Orange Arbor (TOA)



Red Arbor (TRA)

† Color may vary panel to panel.

For custom sizes and colors, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

INFUSIONS®

Walls

COLOR SELECTION – SOLIDS Due to printing limitations, shade may vary from actual product.



SoundScapes® Coordinating Colors



PANEL SELECTION

Item Number*	Dimensions (Inches)	Colors	Pieces/Pack
INFUSIONS Walls			
5824_ _ _	24 x 96 x 1/4"	See above	2

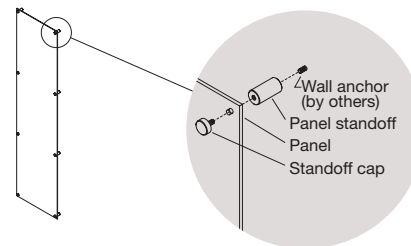
* When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5824 I C E)
NOTE: Panel kit does not include hardware. Infusions Wall panel hardware kit must be ordered separately.

ACCESSORIES

Item Number	Description	Colors	Pieces/Carton
5848	Infusions Wall Panel Hardware Kit	Aluminum	16 Point Supports

NOTE: Wall Anchor not provided in kit. Point Support includes panel standoff and standoff cap.

SYSTEM ASSEMBLY



PHYSICAL DATA

Material
PETG

Surface Finish
Smooth

Fire Performance

Infusions panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Contact TechLine at 1 877 ARMSTRONG for specific US and Canadian fire performance data.

Installation and Design Considerations

Do not allow panel edges to get wet.
Infusions panels are not approved for exterior application.
Natural Linen and Blue Linen colors may vary panel to panel.

Wall anchor hardware is provided by others. A minimum gap of 1/4" is required between panels. Panels are pre-drilled for Point Supports.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F. There is potential for limited deflection of panels.









Warranty
Warranty details at armstrong.com/warranty

Weight; Pieces/Pack
Panel weight – 27 lbs
2 pieces/pack (Bulk packaged)










SOUNDSOAK STANDARD & WOODWORKS® EKOS WALLS ACCESSORIES

ACCESSORIES – WOODWORKS™ EKOS® WALL PANELS ONLY

	Item Number*	Description	Lengths	Finishes	Material
	5850A _ _ _	Peak Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	5850B _ _ _	Bullnose Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	5850C _ _ _	Reverse Bead Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	5850D _ _ _	Bead Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	5850J _ _ _	Cap Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
	5850K _ _ _	Reveal Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
	5858[##][M] 5858 _ _ _	Wall Installation Spline (concealed)	96", 108", 120" (08) (09) (10)	Plastic (X) or Aluminum (Y)	Plastic or Aluminum
	5860 _ _ X	Wall Bead Installation Spline†	96", 108", 120" (08) (09) (10)	Black Plastic	Plastic

† This accessory should be used when Decorative Accent Trims are not selected.
NOTE: When a Decorative Accent Trim is selected, you must also choose a Wall Installation Spline.

CHAIR RAIL ACCESSORIES – SOUNDSOAK STANDARD AND WOODWORKS EKOS WALL PANELS





	Item Number*	Description	Lengths	Colors	Substrate
	5861 _ _ _	Mounting Rail	100"	MP, LC, DC, HG, XX	Solid Wood
	5862 _ _ _	Rail Spacer for Soundsoak 85	100"	XX	Solid Wood
	5863 _ _ _	Rail Insert	100"	MP, LC, DC, HG, BL, XX	Solid Wood
	5963NA	Rail Insert – Aluminum Finish	96"	Natural Anodized (NA)	Solid Wood and Aluminum
	5864 _ _ _	Rail Cap	100"	MP, LC, DC, HG, XX	Solid Wood
	5865 _ _ _	Extended Rail Cap for Soundsoak 85	100"	MP, LC, DC, HG, XX	Solid Wood
	5866 _ _ _	Easel Ledge	100"	MP, LC, DC, HG, XX	Solid Wood

CHAIR RAIL ACCESSORY COLORS



* Insert 2-letter color suffix when specifying or ordering. EXAMPLE: 5861 H G – Mounting Rail in Mahogany
NOTE: Unfinished wood can be field-painted.

ACCESSORIES – SOUNDSOAK STANDARD ONLY

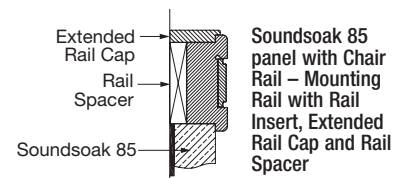
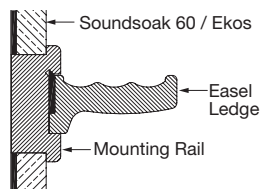
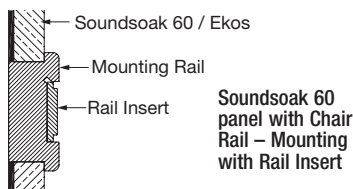
	Item Number*	Description	Lengths	Finishes
	3856 _ _ _ †	Impact Corner	120"	See page 311
	4062 _ _ **	1" J-Molding	120"	BL, GW, FG, LT, SA
	4064 _ _ **	3/4" J-Molding	120"	BL, GW, FG, LT, SA
	4065A	3/4" Low-Profile J-Molding	120"	BL

J-MOLDING COLORS



† Insert 4-letter color suffix using surface type and color suffixes from page 311. EXAMPLE: 3856 L Q Q B – Impact Corner Lido™ Oak Bluffs
** Insert 2-letter color suffix. EXAMPLE: 4062 B L – 1" J-Molding in Black

INSTALLATION DETAILS



SUSTAINABLE BY DESIGN

Armstrong Products, LEED® Contributions, Performance Reference

UL Classified Fire
 High Recycled Content
 Ceiling-2-Ceiling Panels
 Acoustical Performance
 FSC®-Certified Wood
 High Light Reflectance
 DC Powered Suspension
 UL Classified Acoustics
 Low Emitting Materials
 EPD's
 Seismic Compliance
 Regional Materials
 Ceiling Recycling
 Rapidly Renewable Materials
 Contribute to LEED®

SUSTAINABLE PRODUCT INFORMATION	328
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High Light Reflectance	
DC FlexZone™ Suspension System	
Thermal Insulation	
DIVERT CEILINGS FROM LANDFILLS	330
Armstrong Recycling Program	
Ceiling-2-Ceiling™ Closed Loop Products	
High Recycled Content Ceilings	
REDUCE ENVIRONMENTAL IMPACT	331
Sustainable Products & Design	
Environmental Product Declarations	
Regional Materials	
Rapidly Renewable Materials	
Certified Wood	
ENHANCE INDOOR ENVIRONMENTAL QUALITY	
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Light Reflectance to Extend Daylight	338
Low Emitting Materials	338
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No Sag/Humidity Resistance	340
IMPROVE OCCUPANT SAFETY	
Fire Resistance	341-344
Seismic Compliance	345-346

When designing sustainable interiors, Armstrong ceiling and wall systems provide reliable performance and contributions to LEED as well as a range of design choices.



LEED® is a registered trademark of the U.S. Green Building Council | SmartWay® is a registered trademark of the U.S. Environmental Protection Agency | Emerge® is a registered trademark of the EMerge Alliance

SUSTAINABLE BY DESIGN

Sustainable Product Information at your Fingertips . . . Here and online

IN THIS CATALOG:

On individual product pages, you'll see a LEED® summary. This box is a quick review of which credits this family of products may contribute to. Visit the Green Genie™ tool online for specific product details. As LEED evolves, this tool will have the most up-to-date credit information.

Recycled content range
Calculate for specific items using our
GreenGenie online calculator.

Environmental Product Declaration
availability noted here.

Most Armstrong product families
offer high recycled content choices.

VISUAL SELECTION				PERFORMANCE														
Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/ceiling	Item No.	Dimensions (inches)	UL Classified	Acoustics	Light Reflect	Light Reflect	Light Reflect	Anti-Mold & Mildew	Stain Resistant	Fire Guard	Certified Low VOC Emissions	Durability	Primary Embodiment	Recycled Content	Program	Warranty	
FINE FISSURED™ Square Lay-in medium texture				Dots represent high level of performance.														
FINE FISSURED Square Lay-in				UL Classified														
15/16" Square		1736	20 x 60 x 5/8"	0.55	35	Class A	0.85	•	•	•	•	•	•	•	•	•	•	•
		1736M	500 x 1500 x 15mm	0.55	33	Class A	0.85	•	•	•	•	•	•	•	•	•	•	•
		1728	24 x 24 x 5/8"	0.55	35	Fire Guard	0.85	•	•	•	•	•	•	•	•	•	•	•
		1831	24 x 24 x 5/8"	0.55	35	Fire Guard	0.85	•	•	•	•	•	•	•	•	•	•	•
		1729	24 x 48 x 5/8"	0.55	35	Class A	0.85	•	•	•	•	•	•	•	•	•	•	•
		1729M	600 x 1200 x 15mm	0.55	35	Class A	0.85	•	•	•	•	•	•	•	•	•	•	•
		1830	24 x 48 x 5/8"	0.55	35	Fire Guard	0.85	•	•	•	•	•	•	•	•	•	•	•
		1737	24 x 60 x 5/8"	0.55	35	Class A	0.85	•	•	•	•	•	•	•	High	•	•	•

ONLINE:

Environmental Product Declarations

We're committed to helping you reduce the environmental impact of the buildings you create . . . from product design and raw material selection, to how products are made and delivered. We partner with our supply chain to meet your demands for environmental transparency.

Armstrong EPD's have been third party-certified by ICC Evaluation Service as conforming to the requirements of ISO 14025. We now have EPD's for most of our ceiling panel families, including a view of the total ceiling system and suspension system impact.

armstrong.com/epd



Green Genie LEED Online Calculator and Documentation

Our online LEED calculator helps you to research, calculate, and document which Armstrong Ceiling and Wall Systems products best meet the environmental criteria needed for your project. Access the tool 24/7 and get the LEED information and documentation you need for the design or submittal process.

- Calculate Recycled Content
- Regional Materials eligibility
- LEED Submittal Letter
- Armstrong REVIT® models to be integrated with qualifying criteria for LEED point calculations, powered by EcoScoreCard.



Environmental Impact Calculator

Our Environmental Impact Calculator takes your square footage estimate of recycled panels and calculates the savings of greenhouse gases, waste diverted from landfills, virgin raw materials, energy, and potable water saved.

Every project makes a difference!

Just 1000,000 square feet of recycled ceiling panels on a project saves:

- 100,000 lbs. of waste diverted from landfills
- 69,500 kwh energy
- 550 tons of virgin raw materials
- 94,600 gallons of potable water
- 122,800 kg. CO₂ equivalent greenhouse gas avoided



We are the first ceiling company to become an Adopter of the AIA 2030 Product Challenge.



REFERENCE – SUSTAINABILITY TOOLS

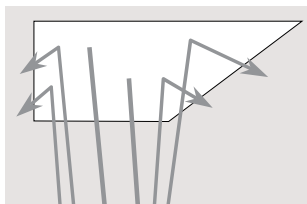
Achieve Energy Savings

This icon is used throughout this catalog to identify Armstrong products with high light reflectance properties.

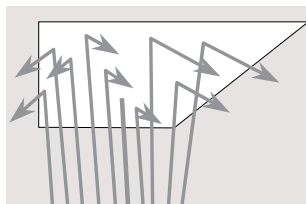


When designing an energy-efficient building, people tend to focus on everything from insulation to window placement, but in fact, ceiling systems can also play a role in effective energy conservation. Here's a look at ceiling contributions to achieve energy savings.

LEED® CONTRIBUTION Energy & Atmosphere	Ceiling Contribution	Recommended Ceiling System
Light Reflectant Ceiling panel	A well designed ceiling with high light reflectance improves space illumination, allowing for fewer light fixtures, a reduced electrical light output, lower maintenance costs and a reduced cooling load	Any ceiling panel with LR 0.83 or greater*
DC FlexZone Low Voltage DC-powered suspension system	DC FlexZone™ offers the ability to distribute safe, low voltage direct current (DC) power that can significantly improve the flexibility and reuse of interior spaces. It is the first ceiling suspension system that provides an infrastructure for the delivery of low voltage direct current (DC) power based on the EMerge Alliance® 24 V DC Occupied Space Standard.	DC FlexZone – Suprafine® DC FlexZone – Silhouette®



Typical acoustical ceiling (LR 0.75) reflects just 75% of the light striking its surface



High LR ceilings are engineered to reflect up to 90% of the light striking their surface



DC FlexZone main beams carry DC power



Flexible, safe low voltage power supply housed in ceiling clouds

High light reflectance ceiling benefits can include:

- Total building energy savings up to 11%
 - 23% reduction in lighting energy at same light level (fewer indirect lighting fixtures and lamp/ballast replacements)
 - 7% savings in cooling system energy
- Increased occupant satisfaction and productivity
- Ability to secure tax deductions for energy efficient design**
- Ability to contribute to LEED® credits
- More effective use of energy budgets***

* A high light reflectance ceiling has LR 0.83 or greater per ASTM E1477-98 as referred to in ASTM E1264-98

** The Energy Policy Act of 2005 (EPA 2005) gives tax credits for energy efficient design below ASHRAE 90.1-2001 standards to encourage owners to reduce energy use below the code required minimum. Please check program eligibility. Expires 12/31/13.

*** Based on standards like those developed by the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE) and the International Energy Conservation Code (IECC) currently being adopted across the U.S.

Benefits of DC FlexZone:

- Low voltage DC power distributed through the ceiling suspension system
- Repurpose and reconfigure without rewiring
- Simple, flexible plug and play modularity
- Customize your space with devices where you need them
- Help accelerate use of DC-based LED lighting
- Enable direct use of on-site renewable energy, like wind and solar

THERMAL INSULATION

Armstrong products offer thermal insulation values which can contribute to an energy efficient built environment. Insulation value measures:

- R Value (BTU units)

- RSI Value (Watts units)
- Specific values listed for each product in Physical Data section at bottom of product pages.

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/performance
- TechLine at 1 877 ARMSTRONG (276-7876)
- BPCS-3808 Energy Savings and Environmental Benefits of High Light Reflective Ceilings
- BPCS-3959 Suspended Ceilings or Open Plenum – Making the Right Choice
- CEU Course: "Energy Savings and Environmental Benefits of High Light Reflectance Ceilings"
- DC FlexZone Case Studies: BPCS-4291 University of California, San Diego Case Study; BPCS-4117 Optima Engineering Case Study; BPCS-4155 Los Angeles Trade-Technical College Case Study
- BPCS-4324 DC FlexZone Architectural Design Guide
- BPCS-4323 DC FlexZone Brochure
- BPCS-4325 DC FlexZone Partners Brochure & Electrical Design Guide



BPCS-3959
Suspended Ceilings or
Open Plenum – Making
the Right Choice

SUSTAINABLE BY DESIGN

Divert Ceilings from Landfills High Recycled Content Products

This Icon is used throughout this catalog to identify Armstrong products that are recyclable through our Armstrong Ceiling Recycling Program



Recycling can be as good for you as it is for the Environment. It reduces waste, saves money, and is a smart alternative to dwindling landfill capacity. When ceilings are recycled by Armstrong, higher post consumer Ceiling-to-Ceiling™ products are created.

LEED® CONTRIBUTION Materials & Resources	Potential Ceiling Contribution	Ceiling Panels with Post-consumer Closed Loop Recycled Content
Armstrong Ceiling Recycling Program	The Armstrong Ceiling Recycling Program provides a solution to divert materials from the waste stream. Throughout the US and Canada. This cradle-to-cradle process is a natural extension of our use of recycled materials and environmentally responsible manufacturing process designed to reduce our environmental footprint.	Ultima Cirrus Dune

The first Program in the Industry: Over a Decade of Experience

In 1999, Armstrong Ceilings introduced the industry's first ceiling recycling program. To date, we have recycled over 125 million square feet of old ceiling material. That's more than 125,000 tons of construction waste that's been diverted from landfills.



Two Options to Recycle:



1 Palletize



2 Container

It's easy to recycle.

- 1 Specify 2 Register 3 Confirm 4 Remove 5 Call us
- For details, visit: armstrong.com/recycle or call the Armstrong Recycling Center at 1 877 276 7876, option 1, then 8

What Do We Do With Material from the Recycling Program? We turn it into new ceilings.

The reclaimed ceilings that are returned to our recycling program are made into new ceilings with a high level of post consumer recycled content. Look for the Ceiling-2-Ceiling icon that identifies these products.



Materials & Resources	Potential Ceiling Contribution	Ceiling Panels with High Recycled Content
High Recycled Content Ceilings	Armstrong mineral fiber, fiberglass and wood ceilings products have a recycled content from 47% - 92% recycled content. We offer high recycled content suspension systems and Drywall Grid and Framing system items.	Products with High recycled content are identified on our product pages. Use the GreenGenie LEED Calculator for specific item information.

High Recycled Content*
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

VISUAL SELECTION		PERFORMANCE	
Edge Profile	Step, Drop, Pan, 275-277 (armstrong.com)	Acoustic	LEED®
Size	24 x 24 x 7/16"	CAC	UP TO 67% RECYCLED CONTENT
Material	565	Class	LEED®
Finish	24 x 24 x 7/16"	Class A	LEED®

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/recycle
- TechLine at 1 877 ARMSTRONG (276-7876)
- Recycling Guide Spec
- BPCS-3238 Recycling Program Brochure
- BPCS-3273 Requirements for Recycling Ceiling Tile
- CEU Course: "Creating Sustainable Ceilings"
- Recycling Program Case Studies available at armstrong.com/recycling

Armstrong Web Site:
armstrong.com/sustainableceilings

- Environmental Impact Calculator
- Save The Ceilings video
- EPD's online

BPCS-3238
Recycling Program Brochure



SUSTAINABLE BY DESIGN



Reduce the Environmental Impact of Buildings

Whatever your ceiling project, Armstrong helps you reduce your impact with sustainable solutions . . . from product design and raw material selection to manufacturing processes and certifications.



LEED® CONTRIBUTION		
Materials & Resources	Ceiling Contribution	For More Information
Sustainable Products and Design	Raw materials for our ceilings include recycled fibers, perlite, natural starch, recycled paper, recycled ceiling, and panels. A significant portion of our ceilings are produced using recycled materials, such as recycled fibers, recycled paper, and recycled ceilings.	For specific project item detail, visit our Green Genie™ LEED® calculator online at armstrong.com/greengenie .
Building Product Disclosure and Optimization	Armstrong provides Environmental Product Declarations (EPD) for products that have been third party-certified by ICC Evaluation Service as conforming to the requirement to ISO 14025.	armstrong.com/epd
Regional Materials	Armstrong has the largest number of ceiling and suspension plant locations in North America.	See Map Locations below.
Rapidly Renewable Materials	Armstrong mineral fiber panels contain plant-based binders, biobased alternatives to petroleum-based binders. Our WoodWorks® Bamboo ceilings as well as our BioAcoustic™ options contain rapidly renewable content. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest. Our BioAcoustic ceiling products are made with a jute substrate, which is a plant that grows from seed to harvest in 100 days. Biobased products are commercial or industrial products (other than food or feed) that are composed in whole, or in significant part, of biological products, renewable agricultural materials (including plant, animal and marine materials) or forestry materials. The USDA certified Biobased product label verifies that the amount of renewable biobased ingredients meets or exceeds prescribed USDA standards and has met the requirements of ASTM E1264, ASTM E1477.	FCS®-Certified options are available for WoodWorks Walls and Tegular, Vector, Linear, Concealed, and Channeled ceilings. USDA Biobase certification is available for WoodWorks, Dune™, Mesa™, Cirrus®, and Ultima®.
Certified Wood	Armstrong offers standard and custom FSC-certified (92% mixed) composite wood ceilings and walls with a variety of veneers to meet the growing demands of sustainable design projects (Certificate Registration SW-COC-003601).	FSC-certified options are available for Woodworks Walls and Tegular, Vector, Linear, Concealed and Channeled ceilings.

ARMSTRONG PLANT LOCATIONS



ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/sustainabledesign
- TechLine at 1 877 ARMSTRONG (276-7876)
- CEU Courses: "Creating Sustainable Ceilings" Life Cycle Assessment and Environmental Product Declarations – The Next Level of Transparency

- Armstrong Web Site:**
armstrong.com/sustainableceilings
- Environmental Product Declarations (EPD's)
 - Environmental Impact Calculator
 - Environmental Videos
 - Environmental Press Room and Sustainability News
 - Green Genie™ LEED® Calculator
 - Save The Ceilings Video



Environmental Product Declaration

Visit our web site and
watch our acoustics video
"Acoustics 101"
armstrong.com/acoustics

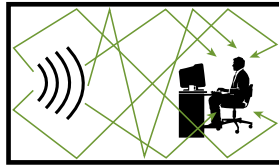


Acoustics Key Terms

reverberation

Reverberation

The persistence of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small hard surfaced rooms are "louder" than large well-treated rooms.



NRC

ceiling & wall absorption

Noise Reduction Coefficient (NRC)

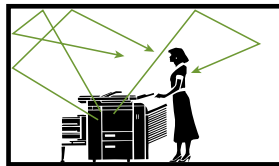
A measure for rating the overall sound absorption of a material when used in an enclosed architectural space where sound is reflected at many angles of incidence.

A ceiling system with an NRC < 0.50 is low performance, an NRC > 0.70 is high performance.

NRC is important in any space where reverberation time and noise levels are an issue.

- NRC is measured according to ASTM C423

- NRC is a US-based measure. Other geographics use the weighted sound absorption coefficient α_w .



ceiling absorption

Articulation Class (AC)

A measure for rating the attenuation of reflected speech passing over the top of wall partitions or furniture into the adjoining workstations.

A ceiling system with AC ≤ 150 is low performance, whereas one with AC ≥ 180 is high performance.

AC is important between adjacent cubicles in open plan spaces:

- Open plan office
- Mixed plan office
- Open plan healthcare/partial height cubicle areas

AC is measured according to ASTM E1110 and E1111.



clouds & canopies absorption

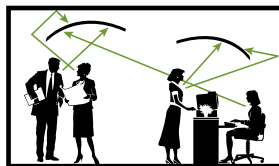
Sabin

A measure of sound absorption provided by a material when installed within an architectural space. The number of sabin per unit is approximately equal to the total surface area of the unit (in square feet) that is exposed to sound, multiplied by the absorption coefficient of the material.

Sabin per unit is preferred to characterize the absorption provided by an individual "space absorber," such as a baffle, blade, cloud, or canopy in:

- Open offices or retail spaces
- Open plenum areas
- Corridors/lobbies

Absorption of sabin is measured according to ASTM C423.



CAC

ceiling blocking

Ceiling Attenuation Class (CAC)

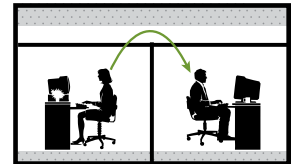
A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces, such as offices.

A ceiling system with a CAC ≤ 25 is considered low performance, whereas one with CAC ≥ 38 or higher is high performance.

CAC is important between closed spaces and from closed rooms to adjacent spaces such as corridors:

- Closed offices, conference rooms
- Classrooms/core learning areas
- Healthcare exam rooms
- Doctors' offices

CAC is measured according to ASTM E1414.



reflection

Sound Reflection

Intentional use of non-absorptive surfaces that enhance a lively acoustical sound quality, typically for nightclubs or music venues.



STC

walls blocking

Sound Transmission Class (STC)

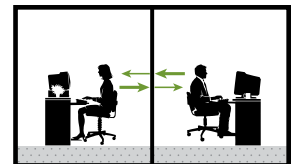
A measure for rating the performance of a wall system as a barrier to airborne sound transmission between adjacent closed spaces, such as offices.

A wall system with an STC ≤ 35 is considered low performance, whereas one with an STC ≥ 55 is high performance. STC is the wall equivalent of CAC.

STC is important between closed spaces and in many open plan spaces:

- Closed offices, corridors
- Open offices with dividers

STC is measured according to ASTM E90.



UL Classified Since 1998

This label appears on cartons of Armstrong UL Classified acoustical ceilings. Armstrong certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

		BP 3251A Optima®, Square Tegular Humiguard® Plus	
CLASSIFIED ACUSTICAL MATERIAL CLASSIFIED SURFACE BURNING CHARACTERISTICS FLAME SPREAD 25 SMOKE DEVELOPED 50 NRC α _w 0.90 AC with 190 In accordance with ASTM E1111		WHITE 24 in x 24 in x 1 in (nominal) 610 mm x 610 mm x 25 mm (nominal) BLANCO 96 sq ft (8.92 m ²) BLANC 24 pieces 24 piezas 24 pièces	9/16" 15 mm



This icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.

ACOUSTICAL PERFORMANCE

Office and Healthcare

Speech Privacy – Why it’s Important

Visit our web site and **watch our videos for Acoustics in Offices, Healthcare, and Education**
armstrong.com/quieterclassrooms
armstrong.com/quieterhospitals



The two leading sources of workplace dissatisfaction are lack of speech privacy and noise, both of which adversely affect work performance. In healthcare, maintaining patient confidentiality, including oral privacy, is a HIPAA requirement. A balanced acoustical design and the proper selection of interior systems and materials is the key in helping to keep noise levels down and private conversations private.

NRC + CAC = SOUND DESIGN™



Absorb sound with high performance acoustical ceilings, wall treatments, and “space absorbers.”

- Good choices for open plan environments include: Optima®, Optima Health Zone™, Cirrus® High-NRC, and Ultima® High NRC ceilings.
- Good choices for closed plan environments include: Ultima, Cirrus, Ultima Health Zone.
- Soundsoak® Acoustical Wall treatments are a good choice on many wall surfaces.
- Acoustical clouds, canopies, and Vertical Elements are good choices in exposed areas.
- Base your product selection on UL-certified acoustical test data.



Block sound with effective wall partitions and furniture panel design and layout.

- Open office furniture panels should be at least 60" high with STC 24 rating for good privacy.
- Use four-sided cubicles – anything less compromises privacy.
- Prevent direct sound paths by staggering cubicle entries.
- Soundsoak Acoustical Wall treatments reduce transmitted noise through walls.
- Use high CAC ceilings if walls only go to ceiling plane.



Defining Speech Privacy Levels

- ① **CONFIDENTIAL**
partially overheard, but not understood
- ② **NON-INTRUSIVE/NORMAL**
can be overheard, partially understood
- ③ **POOR**
mostly overheard and understood
- ④ **NO PRIVACY**
fully overheard and understood

Recommended Applications*

Confidential Privacy:

Expected for most private offices, PI: 95%-100%.

Normal Privacy:

Allows people to think and concentrate and is expected for most open plan spaces. PI: 80%-95%.

Marginal or No Privacy:

Common in many office environments.

*Commonly recognized levels of Speech Privacy as defined by ASTM E1130.

HIPAA & FGI Guidelines Compliance – Healthcare

All healthcare facilities including hospitals, doctors’ offices, and pharmacies need to comply with the Health Insurance Portability and Accountability Act (HIPAA). Fortunately, there are easy and economical ways to meet these oral privacy regulations in treatment, waiting, and reception areas. Armstrong high-performance acoustical ceiling

systems absorb sound to create a more quiet and therapeutic environment.

The FGI Guidelines for the Design and Construction of Healthcare Facilities also include recommendations for acoustical finishes and details, room noise levels, sound isolation, and sound masking and paging.

By using Sound Design, you can help ensure compliance with HIPAA and FGI.

[visit armstrong.com/hipaa](http://armstrong.com/hipaa)

EFFECTIVE BUILDING DESIGN FOR SPEECH PRIVACY USING SOUND BLOCKING TECHNIQUES

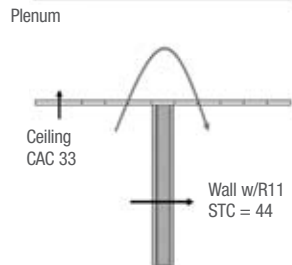
Building design can have significant impact on speech privacy and construction costs. Below are typical construction scenarios showing how speech privacy is affected.

Standard Performance

Scenario 1: No plenum barrier
Ceiling Panel (NRC 0.50/CAC 38)

Privacy Index = 90% Non-intrusive Privacy

Concrete Deck

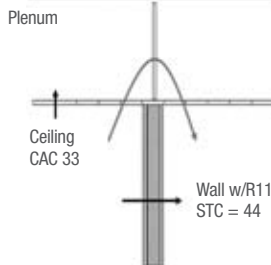


NOTE: RC 30 background noise

Scenario 2: 1.5" Fiberglass board fitting around plenum obstructions, and a ceiling panel (NRC 0.50/CAC 33)

Privacy Index = 95% Confidential Privacy

Concrete Deck

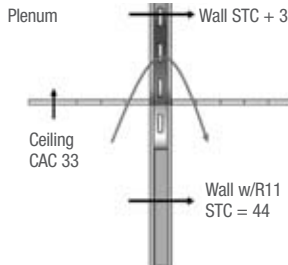


Best Performance

Scenario 3: 5/8" Drywall fitting around plenum obstructions, and a ceiling panel (NRC 0.50/CAC 33)

Privacy Index = 98% Confidential Privacy

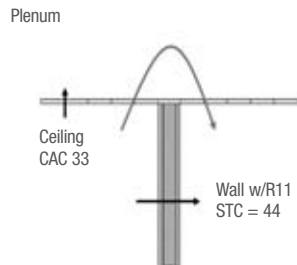
Concrete Deck



Scenario 4: Ceiling panel (NRC 0.70/CAC 40)

Privacy Index = 97% Confidential Privacy

Concrete Deck



ACOUSTICAL PERFORMANCE

Education



Visit our web site and watch our video for Acoustics in Education
armstrong.com/quieterschools

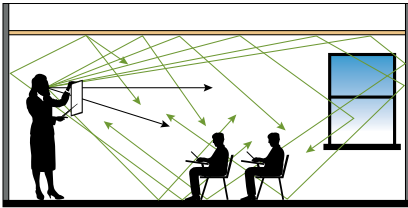
Speech Intelligibility – Why it’s Important

The quality of the acoustic environment in a classroom or learning facility is vital, since students must be able to understand the teacher to learn effectively. This ability is especially important to students with hearing impairments, very young children, and students for whom English is a second language. Teachers must also be taken into consideration, since vocal strain can contribute to fatigue, frustration, and even “burnout.”

SCHOOLS

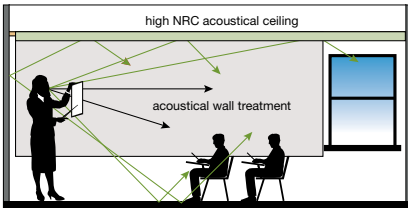
Hard Surface Classroom

Black arrows represent direct sound from teacher to student. Green arrows represent reflected sound.



Acoustically Treated Classroom

The addition of sound absorbing materials reduces late arriving reflected sound, lowers reverberation time, and improves speech intelligibility.



The intelligibility of speech in a classroom depends on both reverberation time and the signal-to-noise ratio.

The signal-to-noise ratio or S/N is the ratio of the speech level reaching the student’s ear relative to the background noise that interferes with hearing the speech.

The potential for good sound quality is determined by the architectural design as represented by reverberant sound and reverberation time. To protect the sound quality provided by the architecture requires that the intruding background noise be kept low.

There are several ways to increase the signal-to-noise ratio:

- Raise speech level
 - The teacher can speak louder, but, of course, runs the risk of vocal strain
- Reduce noise traveling through the ceiling plenum, from the floor above, or an adjacent classroom
 - Choose a ceiling with a high CAC value; the higher the number, the better it acts as a sound barrier

- Reduce noise traveling through the walls
 - The new ANSI standard requires a minimum STC of 50 for a wall separating two adjacent classrooms. The higher the number, the better the performance.
- Reduce noise within the room
 - Use a quiet heating/ventilation (HVAC) system

The reverberation time in a space is essentially the time it takes for the reflected sound within the space, such as from a loud hard clap, to become “inaudible.” A long reverberation time is detrimental to good speech intelligibility, since the reflections of words just spoken can interfere with words now being spoken.

Sound-absorptive material can be added to the room to reduce reverberation time and help meet ANSI S12.60:

- Reduce reflected sound (reverberation time)
 - Add sound-absorbing material to reduce reverberation.
 - A ceiling with an NRC of at least 0.70 is recommended
 - If the ceiling is high, Soundsoak® wall treatments will also be beneficial

ONLINE REVERBERATION CALCULATOR

Our new interactive web-based tool calculates reverberation and sound quality for speech intelligibility which is very important for the built environment. This tool allows you to hear the before and after difference. Providing recommendations for both new spaces and upgrades to existing spaces, this easy-to-use tool makes specifying recommended sound-absorptive ceilings and walls easy, and cost-effective.

armstrong.com/reverbtool



ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/performance
- TechLine at 1 877 ARMSTRONG (276-7876)
- BPCS-3928 Classroom Acoustics White Paper
- BPCS-3586 “Hear the Difference” Classroom Demo Video
- BPCS-3513 HIPAA/Speech Privacy White Paper
- BPCS-4109 Rx for Improving Patient Outcomes
- BPCS-3712 Office Acoustics White Paper
- BPCS-3959 Suspended Ceiling or Open Plenum? – Making the Right Choice
- BPCS-4556 Sound Design™ brochure
- BPCS-3845 High CAC Ceilings – What you Need to Know Speech Privacy Predictor Tool – ask your Armstrong representative
- CEU courses:
 - Acoustical Basics for Design Professionals
 - Classroom Acoustics
 - Speech Privacy in the Healthcare Environment
 - Speech Privacy in Office Design



BPCS-4556
Sound Design Brochure



BPCS-3845
High CAC Ceilings Overview

REFERENCE – ACOUSTICAL PERFORMANCE
Speech Privacy & Speech Intelligibility

ACOUSTICAL PERFORMANCE

Enhance Indoor Environmental Quality

Acoustics play an integral role in any space. Surface finishes selected must enhance the indoor environmental quality of a space relative to its functionality. Armstrong acoustical ceilings reduce noise levels in interior spaces, allowing for an optimum balance of high performance sound absorption and room-to-room sound attenuation to maximize speech intelligibility.

LEED® CONTRIBUTION Armstrong ceiling and wall systems contribute to LEED EQ Credits – Acoustical performance

Setting	Situation	Acoustical Suggestion		Recommended Ceiling System
Workplace				
Open Office	Employees have difficulty focusing on tasks due to noisy office space. Contributors of distractions include conversations of co-workers in collaboration areas, benching workstations, and use of speaker phones.	Worker effectiveness can be increased with balanced acoustical design using high-NRC products in open plan areas to absorb sound.	BEST BETTER GOOD	TechZone™ Ceiling Systems, Optima®, SoundScapes® products, Soundsoak® Walls Ultima® High-NRC, Cirrus® High-NRC, Fine Fissured™ High-NRC, Capz™ Ultima, Cirrus, Mesa™, Formations™ Clouds
Closed Office	Concentrating on technical work is difficult when sound can be heard through doorways, windows, and HVAC ducts transferring sound from room to room. Employees ranked acoustics the lowest of key attributes in the workplace.	Balanced acoustical design requires high-CAC products in closed plan areas to provide privacy from adjoining offices and corridors.	BEST BETTER GOOD	Ultima High-CAC, Cirrus High-CAC, WoodWorks®, Soundsoak® Walls Ultima, Cirrus, Mesa High-CAC Dune™
Education				
Classroom	Excessive reverberation inhibits student understanding and increases teacher vocal strain. Studies indicate that students typically hear only 3 out of every 4 words, missing 25% of what is said in the classroom.	Shorter reverberation time and better sound absorption promotes higher speech intelligibility.	BEST BETTER GOOD	Ultima, Optima, TechZone Ceiling Systems, Soundsoak Walls School Zone™ Fine Fissured, Cirrus High-NRC Mesa, School Zone Fine Fissured, Georgian™, Cirrus
Cafeterium	Open multi-purpose spaces change from cafeterias to auditoriums to gymnasiums requiring different acoustical needs depending on use.	Sound absorption is key and can be accomplished with high-NRC products in select areas.	BEST BETTER GOOD	Capz, MetalWorks™, SoundScapes products Ultima, Formations Clouds School Zone Fine Fissured, Georgian, Mesa
Healthcare				
Patient Room	The need to share private medical information between patients, doctors, and other medical staff without worrying about being overheard by others is key in a healthcare environment.	A ceiling with the ability to block noise from transferring to other spaces can help provide a private, secure environment for sharing confidential information and holding discreet conferences.	BEST BETTER GOOD	Ultima High-CAC, Ultima High-NRC, Ultima Health Zone™ Mesa High-CAC, Fine Fissured High-NRC, Ultima, Ultima Create!™ Cirrus, Mesa
Lobby and Nurses' Station	Noise caused by hard surfaces, active corridors, busy nurses' stations, alarms, non-private treatment areas, and a 24/7 work environment all help to create sound levels that exceed those recommended by the World Health Organization.	Spot absorption in larger open spaces, and cleanable, scrubbable ceilings that offer noise reduction in spaces with wall to wall ceilings address excessive noise and reverberation.	BEST BETTER GOOD	MetalWorks, TechZone Ceiling Systems, Optima Health Zone Optima, WoodWorks, Optima Create! Ultima, Ultima Health Zone

ACOUSTICAL PERFORMANCE

Summary



UL Classified Acoustical Performance Summary

Product Family	Sound absorption co-efficients ^A – e-400 mounting						Published value: sound absorption ^B	Published value: sound trans-mission ^C
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC ^D	CAC ^D
Soft Fiber								
Optima® 1.5" w/CAC Backing	0.51	0.85	0.91	1.13	1.09	1.01	1.00	26
Optima 1.5"	0.73	0.95	0.92	1.06	1.03	0.94	1.00	–
Optima 1"	0.76	0.89	0.84	1.02	1.09	0.99	0.95	–
Optima 3/4"	0.81	0.94	0.76	0.93	1.05	1.01	0.90	–
Optima Vector® 7/8" w/CAC Backing	0.42	0.44	0.78	0.94	1.09	1.05	0.80	26
Optima Vector 7/8"	0.72	0.84	0.79	0.99	1.06	1.00	0.90	–
Optima Health Zone™ 1"	0.72	1.00	0.80	1.01	1.06	0.98	0.95	–
Painted Nubby™ 1"	0.76	0.89	0.84	1.02	1.09	0.99	0.95	–
Painted Nubby 3/4"	0.73	0.94	0.70	0.90	0.99	1.01	0.90	–
Pebble™ High-NRC Perforated	0.74	0.78	0.68	0.88	0.78	0.66	0.80	–
Pebble 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Pebble Unperforated	0.50	0.31	0.28	0.77	0.66	0.67	0.50	–
Random Fissured™ 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Random Fissured Unperforated	0.44	0.35	0.33	0.83	0.84	0.64	0.55	–
Shasta® 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.70	–
Shasta Unperforated	0.50	0.31	0.28	0.77	0.66	0.67	0.50	–
BioAcoustic™								
Tierra™	0.70	0.93	0.66	0.85	0.96	0.96	0.85	–
Mineral Fiber								
Armatuff®	0.33	0.32	0.69	0.65	0.52	0.36	0.50	33-35
Ceramaguard® Perforated	0.28	0.27	0.43	0.72	0.90	0.86	0.55	38-40
Ceramaguard Unperforated	–	–	–	–	–	–	–	40
Cirrus® 3/4"	0.31	0.35	0.62	0.86	0.94	0.89	0.70	35
Cirrus 3/4" Fire Guard™	0.27	0.25	0.29	0.36	0.46	0.53	0.35	35
Cirrus 7/8"	0.36	0.40	0.66	0.84	0.88	0.91	0.70	38
Cirrus 7/8" High-CAC	0.27	0.37	0.70	0.91	0.94	0.96	0.70	40
Cirrus 7/8" High-NRC	0.33	0.39	0.85	1.00	0.96	0.96	0.75	35
Cirrus 3/4" 1-Up Profiles	0.26	0.36	0.57	0.82	0.89	0.85	0.65	35
Cirrus 3/4" 4-Up Profiles	0.32	0.29	0.55	0.87	0.96	0.91	0.65	35
Cirrus Second Look®	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35
Cirrus Themes™	–	–	–	–	–	–	0.65	35
Clean Room™ FL (field units)	0.28	0.30	0.69	0.94	0.77	0.54	0.55	35
Clean Room FL (border units)	–	–	–	–	–	–	–	35
Clean Room VL Unperforated	–	–	–	–	–	–	–	40
Clean Room VL Perforated	0.22	0.24	0.53	0.90	0.78	0.47	0.55	35
Cortega® 5/8"	0.21	0.26	0.51	0.78	0.75	0.69	0.55	35
Cortega 5/8" Fire Guard	0.22	0.26	0.46	0.78	0.92	0.82	0.55	35
Cortega Second Look	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35
Cortega Second Look Fire Guard	0.23	0.31	0.56	0.87	0.85	0.82	0.55	40

A = These are representative data for the product family. Sound absorption test data for specific item tested. Data and test reports for most products available upon request. Contact TechLine™ at bpotechline@armstrong.com

B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." Sample mountings follow procedures outlined in ASTM E795, "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

C = Sound Transmission loss data obtained by procedures outlined in AMA-1-II, "Test Method for Ceiling Sound Transmission Test by the Two-Room Method" or by the ASTM Procedure E1414, "Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum." CAC rating determined by following procedures outlined in ASTM Procedure E413, "Classification for Rating Sound Insulation."

D = NRC and CAC single number ratings comply with ASTM E1264 classification requirements.

ACOUSTICAL PERFORMANCE

Summary



UL Classified Acoustical Performance Summary

Product Family	Sound absorption co-efficients ^A – e-400 mounting						Published value: sound absorption ^B	Published value: sound transmission ^C
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC ^D	CAC ^D
Mineral Fiber (continued)								
Dune™ 5/8"	0.33	0.34	0.65	0.64	0.59	0.42	0.55	30-35
Dune 3/4"	0.21	0.33	0.81	0.76	0.61	0.48	0.50	35
Dune 5/8" Fire Guard™	0.21	0.28	0.51	0.74	0.60	0.42	0.50	33-35
Dune Second Look®	0.34	0.35	0.64	0.60	0.53	0.40	0.50	35
Fine Fissured™ Concealed / T&G	0.43	0.31	0.42	0.66	0.79	0.70	0.55	35
Fine Fissured 5/8"	0.28	0.28	0.49	0.74	0.75	0.65	0.55	33-35
Fine Fissured ^E 5/8" Fire Guard	0.18	0.25	0.51	0.86	0.83	0.72	0.55	35
Fine Fissured ^E 5/8" High Durability	0.18	0.25	0.51	0.86	0.83	0.72	0.55	35
Fine Fissured ^E 3/4" High Acoustics Lay-In	0.25	0.32	0.74	0.92	0.86	0.84	0.70	35-40
Fine Fissured ^E 3/4" High Acoustics Tegular	0.29	0.30	0.65	0.91	0.85	0.79	0.70	40
Fine Fissured ^E 3/4" High Acoustics Fire Guard	0.20	0.30	0.74	0.95	0.87	0.82	0.70	35-40
Fine Fissured 7/8" High-NRC	0.28	0.39	0.86	1.01	1.01	1.02	0.75	35
Fine Fissured Second Look I, II	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35
Fine Fissured Second Look III	0.28	0.30	0.56	0.60	0.60	0.60	0.50	35
Fine Fissured Second Look II Fire Guard	0.21	0.30	0.70	0.82	0.84	0.85	0.55	35
Fissured™	0.23	0.23	0.49	0.72	0.73	0.72	0.55	30
Fissured Fire Guard	0.22	0.26	0.46	0.78	0.92	0.82	0.60	35
Georgian™ 5/8"	0.28	0.23	0.49	0.81	0.80	0.75	0.55	33
Georgian 5/8" Tegular	0.32	0.33	0.60	0.71	0.56	0.40	0.55	35
Georgian High Acoustics	0.30	0.28	0.60	0.97	0.85	0.54	0.65	35
Georgian High Washability	–	–	–	–	–	–	–	33
Georgian High Washability Fire Guard	–	–	–	–	–	–	–	35
Graphis® Finetex™	–	–	–	–	–	–	–	35
Graphis Rustex™	0.39	0.31	0.44	0.69	0.89	0.98	0.55	30
Ledges®	–	–	–	–	–	–	–	35
Mesa™	0.35	0.40	0.67	0.78	0.76	0.67	0.60	33-35
Mesa High-CAC	0.30	0.32	0.69	0.84	0.73	0.62	0.60	40
Tincraft™	–	–	–	–	–	–	–	35
Tundra®	0.23	0.27	0.57	0.67	0.52	0.41	0.50	33-35
Ultima®	0.33	0.33	0.70	0.89	0.92	0.96	0.70	35
Ultima Health Zone™	0.30	0.32	0.71	0.92	0.90	0.89	0.70	35
Ultima High-CAC	0.26	0.31	0.59	0.78	0.80	0.69	0.60	40
Ultima High-NRC	0.35	0.41	0.84	1.03	0.94	0.92	0.80	35
Ultima Vector®	0.34	0.38	0.67	0.89	0.82	0.80	0.70	33

A = These are representative data for the product family. Sound absorption test data for specific item tested. Data and test reports for most products available upon request. Contact TechLine™ at bpotechline@armstrong.com

B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." Sample mountings follow procedures outlined in ASTM E795, "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

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D = NRC and CAC single number ratings comply with ASTM E1264 classification requirements.

ENHANCE INDOOR ENVIRONMENTAL QUALITY

Daylight and Low Emitting Materials

When it comes to sustainability, the environment inside the building is just as important as what's happening outside. Increasing attention is being given to the quality of the indoor environment and the presence of Volatile Organic Compounds (VOCs).

ENERGY REDUCTION AND COMFORT

Indirect lighting in work environments is increasingly important in areas without natural light. The indirect lighting leads to higher visual comfort levels which has been proven to increase employee effectiveness.

High light reflectance ceilings enhance the benefits of indirect lighting by improving overall lighting uniformity, returning up to 90% of light back into the space, compared to 75% with standard ceilings

LEED® CONTRIBUTION Indoor Environmental Quality	Ceiling Contribution	Recommended Ceiling System
Light Reflectance to Extend Daylight	Armstrong Hi-LR ceilings can aid in extending daylighting into the space. Armstrong high light reflectance ceilings are engineered to reflect up to 90% of the light striking the surface. Recent independent studies have shown a 10-15% daylighting effectiveness increase with the use of these ceilings.	Any ceiling panel with LR 0.83 or greater

VOC AND FORMALDEHYDE EMISSIONS

When it comes to sustainability, the environment inside the building is just as important as what's happening outside. Increasing attention is being given to the quality of the indoor environment and the presence of Volatile Organic Compounds (VOCs).

Armstrong low emitting ceilings are third-party certified, compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard

189; ANSI/GBI Green Building Assessment Protocol. For further information, project-specific calculations and test reports, contact Armstrong TechLine at – 877 276 7876

LEED® CONTRIBUTION Indoor Environmental Quality	Ceiling Contribution	Recommended Ceiling System
Low Emitting Materials	Armstrong offers the widest selection of acoustical ceilings that satisfy stringent indoor environment quality requirements for formaldehyde and VOC emissions.	Any certified low VOC emissions ceiling panel

AIRGUARD™

AirGuard Coating for Ultima® ceiling panels is a revolutionary breakthrough to actively remove formaldehyde in buildings. When applied to the back of ceiling panels, the AirGuard Coating (a UL Environment Certified Product) converts the formaldehyde present in interior spaces into an inert substance permanently captured by the ceiling.

Product testing and measurement followed: ASTM procedures (ASTM 5116-10, D 5197-03, and ISO Standards 9ISO-16000-23).

AIR CLEANLINESS

Healthcare and Clean Rooms

Armstrong Ceiling Systems can meet stringent requirements for air cleanliness in healthcare and clean room environments. Select products meet ISO class 5 in accordance with ISO 14644-1. This corresponds with Class 100 of U.S. Federal Standard 209E.

ENHANCE INDOOR ENVIRONMENTAL QUALITY

These icons represent **Durability Performance** throughout this catalog



Durability & Cleanability

When manufacturers make durability claims, it is helpful to know the facts based behind them. Our icons and claims are backed whenever possible, by industry-standard tests, outlined below.

Indoor Environmental Quality	Potential Ceiling Contribution	Recommended Ceiling Panels
Durability and Cleanability	Armstrong durable, damage-resistant and cleanable ceilings minimize the need for frequent replacement and disposal and maximize the life cycle of the ceiling.	Durability – See specific icons Cleanability – Optima®, Optima Health Zone™, Ultima®, Ultima Health Zone

CLEANABILITY

Water Repellency

Ceilings installed in healthcare environments are required to be cleanable and must not interfere with infection control. In addition to washability and scrubbability, ceilings in healthcare spaces should also be water-repellent. While an ASTM test does not exist to test for water repellency, in-house testing confirms that Ultima Health Zone and Optima Health Zone have been engineered to resist water absorption for a minimum of 15 minutes; the time required for proper cleaning and disinfection.



Washability Washability Test – ASTM D4828

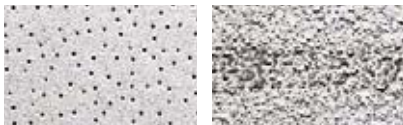
Ceilings installed in laboratories, clean rooms, food preparation areas, and other sanitary applications are required to meet washability standards. The Washability Test evaluates a ceiling's ability to withstand washing.



These photos show the superior washability of Fine Fissured™ versus a standard ceiling.

Scrubbability Scrubbing Test – Modified ASTM D2486 Procedure

Ceilings installed in laboratories, clean rooms, and food preparation areas are required to meet scrubability standards – and, sometimes, other specific criteria. The Scrubbability Test evaluates a ceiling's ability to withstand scrubbing.

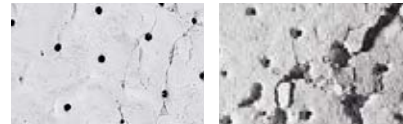


These photos show the excellent scrubability of VL versus a less scrubbable ceiling.

ABUSE RESISTANCE

Impact Resistance Striking Ball Impact Test – Modified ASTM D1037 Procedure

Ceilings in areas like school corridors or gymnasiums need to withstand abuse, including surface impact. The Falling Ball Impact Test evaluates a ceiling's impact resistance.



These photos show the excellent impact resistance of Tundra® versus a less impact-resistant ceiling.

Scratch Resistance Hess Rake Test

In any areas where lay-in ceiling panels frequently need to be removed for plenum access, surface scratch resistance is highly desirable. The Hess Rake Test evaluates surface scratch resistance.



These photos show the excellent scratch resistance of Ultima® (with DuraBrite® surface) versus a competitive fine texture ceiling.

Soil Resistance Simulated Supply Air Diffuser Soiling Test

Dirt accumulation not only detracts from a ceiling's appearance, but can cost money by requiring painting or replacement of the ceiling. In addition to reducing acoustical efficiency, soiling can cause a substantial reduction in light reflectance.

The Simulated Supply Air Diffuser Soiling Test evaluates this soil-resistant property.



These photos show the excellent soil resistance of Ultima (with DuraBrite® surface) versus a competitive fine texture ceiling.

Frequent Plenum Access Minimize Damage




Downward access for Vector® panels minimizes panel damage from hanger wires and other obstructions.

Pertinent performance test data for Armstrong products is available by contacting TechLine (1 877 ARMSTRONG).

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/performance
 - TechLine at 1 877 ARMSTRONG (276-7876)
 - Test results for individual Armstrong products – contact TechLine
- For cleaning recommendations, see armstrong.com/cleanceilings

ENHANCE INDOOR ENVIRONMENTAL QUALITY

Throughout this catalog:
 This Icon identifies
HumiGuard® Max Ceilings 
 This Icon identifies
HumiGuard Plus Ceilings 
 This Icon identifies
Armstrong BioBlock® Plus Ceilings 

No Sag/Humidity Resistance

Often, ceilings are installed before buildings are enclosed, exposing the building materials to high levels of humidity. Many Armstrong ceilings can be installed in the state of construction when windows are not fully installed without any risk of sag.

Indoor Environmental Quality	Potential Ceiling Contribution	Recommended Ceiling Panels
Resistance to Sag, Humidity, and Bacteria	We stand behind our ceiling system performance with a 30-Year Limited System Warranty that Armstrong HumiGuard® ceilings will resist visible sag, and that Armstrong BioBlock® Plus ceilings will resist the growth of mold/mildew and bacterial growth.	HumiGuard Max HumiGuard Plus

ARMSTRONG HUMIGUARD CEILINGS

- Can be installed before buildings are enclosed
- Minimize replacement of sagging ceilings
- Stay flat, even where HVAC systems are cycled

HumiGuard Max ceilings provide sag resistance in areas of 100% humidity and standing water, such as indoor pools and outdoor applications. Armstrong Ceramaguard®, Ceramaguard Fine Fissured™ and MetalWorks™ ceilings meet this standard.

HumiGuard Plus ceilings provide validated sag performance required for all high humidity applications – just short of standing water, direct contact with water, or exteriors where condensation is likely. These products can be installed earlier in the construction process (before the building is enclosed), wherever HVAC systems might be shut down, or in all high humidity applications other than outdoors or where subjected to standing water.

Virtually all Armstrong acoustical panels not identified as HumiGuard Plus or HumiGuard Max provide acceptable humidity resistance for most conventional commercial building applications, when the building is closed in and HVAC systems are functioning on an ongoing basis.

ARMSTRONG BIOBLOCK PLUS CEILINGS

- Contain a broad spectrum anti-microbial treatment on face and back
- Provides guaranteed resistance against the growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria.

- Ceiling panels with BioBlock Plus** protection will not favor the development of micro-organisms.
- Controlled laboratory tests have demonstrated the effectiveness of BioBlock Plus application compared to standard, untreated ceilings. (Mold and mildew resistance tested pursuant to ASTM D3273 method*.) These tests are valid for the face and back of the panel.
 - Testing under controlled conditions confirms that BioBlock Plus ceilings resist Gram-positive, Gram-negative odor/stain-causing bacteria.



After a 28-day incubation period, a BioBlock Plus ceiling panel received an ASTM rating of 10 (D3274 prescribed rating scale) or 0 (G-21 rating scale), signifying no visible mold growth.



The standard "control" ceiling panels received a D3274 rating of 0, signifying "heavy growth" (on more than 60% of each specimen).

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/performance
- TechLine at 1 877 ARMSTRONG (276-7876)
- BPCS-3117 Ceilings & Indoor Air Quality
- BPCS-3527 The Basics of Mold & Moisture Control Brochure
- CEU Course: "Creating Sustainable Commercial Interiors"

REFERENCE – DURABILITY, NO SAG

IMPROVE SAFETY

Fire Resistance

Armstrong panels are UL listed and outperform requirements for ceilings



Use Only Fire Guard Products for Fire-Rated™ Assemblies



Local building codes for safe construction rely on two fire ratings to evaluate compliance: (1) Material Flame Spread/Smoke Developed Index Rating, and (2) Fire Resistance Assembly Rating. These ratings are based on ASTM standards, and compliance is determined by several independent, non-governmental testing services such as Underwriters Laboratories, Inc.

Fire Resistance

Armstrong Fire Guard ceilings are specially formulated to provide enhanced resistance against structural failure. Fire Guard Suspension Systems have patented expansion relief to help maintain structural integrity of the ceiling.

Any Armstrong ceiling panel designated Fire Guard used in a UL assembly

SELECTING THE RIGHT UL FIRE-RATED ASSEMBLY

Flame Spread Index (FSI)/Smoke Developed Index (SDI) ASTM E84; UL 723; CAN/ULC - S102M

This is a standard method of testing for surface burning characteristics of building products. FSI is the relative rate at which a flame will spread over the surface of the material. This index is compared against a rating of 0 for inorganic reinforced cement board and an index of 100 for red oak. Class A (ASTM E1264) building products require a flame spread index of 25 or less – the required standard for most commercial applications. Class A building products require a smoke developed index of 50 or less.

Continuous Versus Open Plenum Ceilings

A continuous ceiling may allow sprinklers and smoke detectors to activate faster, providing added escape time for occupant evacuation. In buildings where a ceiling is not in place, the height of the space is normally greater and could delay the operation of the fire sprinkler or smoke detector systems.

Fire Resistance Rating of a Ceiling Assembly (ANSI/UL 263 – ASTM E119 and NFPA 251) (CAN/ULC - S101M)

The degree to which (measured in hours) the entire assembly, not individual components, withstands fire and high temperatures. Specifically, it is an assembly's ability to prevent the spread of fire between spaces while retaining structural integrity. The resulting fire resistance rating relates to the assembly in its entirety and is published or

classified in the UL Fire Resistance Directory.

Selecting the Right UL Fire-Rated Assembly

1. Establish the hourly rating needed to meet code requirements.
2. Determine the existing or planned building elements, including structural, mechanical, electrical, and finish materials, in the fire-rated assembly.
3. Refer to the Fire Resistance Rating Summary (armstrong.com/ulfire) to determine the UL design numbers and ceiling system products that correspond to the fire-rated assemblies that meet your needs.
4. Refer to the Fire Resistance Selector information on our web site armstrong.com/ceilings.

Two types of fire-rated construction assemblies pertain to acoustical ceiling systems:

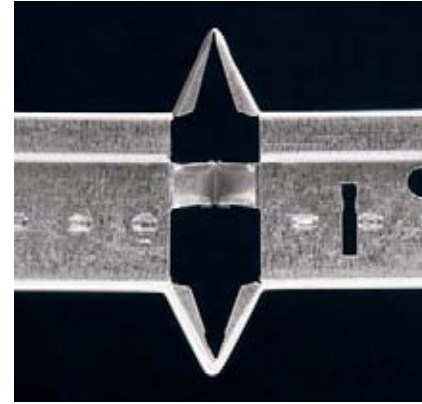
Roof/Ceiling Assemblies

Ceiling system, lighting, HVAC outlets, and other penetrants through the ceiling, the plenum, roof support structure, and roof assembly including deck, insulation, and roofing system.

Floor/Ceiling Assemblies

Ceiling system, lighting, HVAC outlets, and other penetrants through the ceiling, the plenum, structural system, subfloor, and finish floor.

For UL Fire Resistive Ceiling Assembly Details, see pages 342-344.



Main Beam expansion relief

Fire Guard products in this catalog are listed under the following product families:

Armatuff®	Page 148
Ceramaguard®	Page 149
Ceramaguard Fine Fissured™	Page 149
Cirrus®	Pages 151-152
Clean Room™	Pages 161-162
Cortega®	Page 163
Cortega Second Look®	Page 164
Dune™	Pages 169-170
Fine Fissured™	Pages 175-176
Fissured™	Page 180
Georgian™	Pages 181-182
Tundra®	Page 221
Ultima®	Pages 223-228
VL	Pages 161-162

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/performance
- TechLine at 1 877 ARMSTRONG (276-7876)
- BPCS-3959 Suspended Ceiling or Open Plenum – Making the Right Choice
- Summary listing, UL Fire Resistive Ceiling Assemblies – armstrong.com/ulfire

IMPROVE SAFETY

Fire Resistance Assembly Chart

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Maximum Panel or Tile Thickness	Maximum Fixture Penetration (in ² /100 ft ²)	Maximum Duct Penetration (in ² /100 ft ²)	Suspension Systems
CONCRETE FLOOR/CEILING ASSEMBLIES							
Concrete on Flat Cellular, Fluted or Blend Deck							
3-Hour – Exposed Grid	A212 (200-3)	2-1/2"	48" x 48"; PC 36" x 60"; PC 30" x 60"; PC	5/8"	25	158	1, 2
	D216	3-1/4"	24" x 24" To 30" X 60"; P 24" x 24" To 36" X 60" Or 48" x 48"; PC	5/8" (P Or PC)	24	576	1, 2
2-Hour – Exposed Grid	D216	2-1/2"	24" x 24" To 30" X 60"; P 24" x 24" To 36" X 60" Or 48" x 48"; PC	5/8" (P Or PC)	24	576	1, 2, 3
Concrete on Ribbed or Corrugated Deck							
3-Hour – Exposed Grid	G256	3-1/2"	24" x 24"; P 24" x 48"; P or PC	5/8" (P or PC)	24	255	1, 2
2-Hour – Exposed Grid	G256	2-1/2"	24" x 24"; P 24" x 48"; P or PC	5/8" (P or PC)	24	576	1, 2, 3
	G258	2-1/2"	24" x 24"; P 24" x 48"; P	5/8"	24	113	1, 2
	G214	2-3/4"	24" x 48"; P 20" x 60"; P	5/8"	17	57	1, 2
Concrete on Metal Lath, Ribbed or Corrugated Deck							
3-Hour – Exposed Grid	G229 (232-3)	3-1/4"	24" x 48"; P or PC	5/8"	20	576	1, 2
2-Hour – Concealed Grid	G022 (285-2)	2-1/2"	12" x 24"; P	3/4"	16	57	4
2-Hour – Exposed Grid	G209 (46-2)	3"	24" x 48"; P or PC 24" x 24"; P or PC	5/8"	8	None	1, 2
	G244 (240-2)*	3"	24" x 48"; P or PC 24" x 24"; P or P 20" x 60"; P or PC	5/8"	24*	576	1, 2, 3
	G210 (253-2)	2-1/2"	24" x 24"; P	3/4"	24	113	1, 2
	G216 (74-2)	2-1/2"	24" x 48"; P or PC 24" x 24"; P	5/8"	8	None	1, 2
	G217 (53-2)	2-1/2"	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8"	8	57	1, 2
	G229 (324-2)	2-1/2"	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8"	20	576	1, 2, 3
	G242 (210-2)	2-1/2"	24" x 48"; P or PC	5/8"	8	None	1, 2
2-Hour – Exposed Grid	G243 (230-2)*	2-1/2"	24" x 48"; P 24" x 24"; P 20" x 60"; P	5/8"	16	576	1, 2, 3
	G236 (21-2)	2-1/2"	24" x 48"; P 24" x 24"; P	5/8"	None	None	1, 2
	G250	2-1/2"	30" x 60"; P or PC 20" x 60"; P or PC 24" x 48"; P or PC 24" x 24"; P	5/8"	20	113	1, 2
1-Hour – Exposed Grid	G241 (32-1)	2"	24" x 48"; P 24" x 24"; P	5/8"	None	None	1, 2

NOTE: Numbers in parentheses are original UL design numbers.
Some unit sizes are no longer available as standard items; some designs include additional sizes.
* Allows flat-board fixture protection

WHAT YOU NEED TO KNOW TO USE THIS CHART

If you are unfamiliar with UL Fire Resistance Ratings, begin with a review of meeting Code Requirements, pgs. 42-43.

As explained there, these ratings are applied to certain types of roof/ceiling and floor/ceiling construction assemblies, which are tested and assigned hourly ratings mandated by building codes or other building safety requirements.

Reminders:

1. UL tests rate an entire assembly. No ceiling or suspension system product alone constitutes a fire rated assembly.
2. You can use only the specific type, size and minimum thickness of Fire Guard™ ceilings or suspension system identified in each assembly.
3. This table is a guide.

(See UL Fire Resistance Directory for complete design details).
To purchase a copy of the UL Directory:

Underwriters Laboratories, Inc.
Publications Stock
333 Pfingsten Rd.
Northbrook, IL 60062
(Tel.) 847-272-8800,
ext. 42612 or 42622

Key to Panel and Tile Types

PC = Ceramaguard®
P = All other products designated Fire Guard in this catalog

Key to Grid System Types

- 1 = AFG and FST 6000 – Prelude Fire Guard and XL® Fire Guard with steel cap
- 2 = AFG-A and FST 6000A – Prelude Plus Fire Guard and XL Fire Guard with aluminum cap
- 3 = FSLK – Suprafine® Fire Guard with steel cap

IMPROVE SAFETY

Fire Resistance Assembly Chart

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Maximum Panel or Tile Thickness	Maximum Fixture Penetration (in ² /100 ft ²)	Maximum Duct Penetration (in ² /100 ft ²)	Suspension Systems	
WOOD DECK/CEILING ASSEMBLIES								
Double-Plywood (or Plywood), 2 X 10 Wood Joists								
1-Hour – Exposed Grid	L209 (30-1)	NA	24" x 48"; P	5/8"	16	110	1, 2	
	L210 (51-1)	NA	24" x 48"; P 24" x 24"; P	5/8"	24	227	1, 2, 3	
Double-Plywood (or Plywood), 3 X 8 Wood Joists								
1-1/2-Hour – Exposed Grid	L208 (8-11/2)	NA	24" x 48"; P or PC 24" x 24"; P	5/8"	None	None	1, 2	
ROOF/CEILING ASSEMBLIES								
Standing Seam Exposed Metal Roof								
1-1/2 + 1-Hour – Exposed Grid	P265***	See Design Details	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	576	1	
Lightweight Insulating Concrete on Ribbed or Corrugated Deck								
2-Hour – Exposed Grid	P215 (RC24-2)	2"	24" x 48"; PC plus 24" x 48"; Gypsum Bd.	5/8" (PC) plus 1/2" Gypsum Bd.	16	57	1, 2	
	P219	2"	24" x 48"; PC plus 24" x 24"; Gypsum Bd.	5/8" (PC) plus 1/2" Gypsum Bd.	16	57	1, 2	
	P251	2-3/4" Min. to 6-3/4"	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8" (P or PC)	24	576	1, 2, 3	
1-1/2 Hour – Exposed Grid	P231	3-3/8"	24" x 48"; 24" x 24"; P 24" x 48"; Gypsum Bd.	5/8"	24	255	1, 2	
1-Hour – Exposed Grid	P216 (RCB-1)*	2"	24" x 48"; P	5/8"	16	57	1, 2	
Mineral-Fiber, Glass-Fiber, or Composite Roof Insulation on Fluted Metal Roof Deck								
INSULATION THICKNESS								
1-1/2 Hour – Exposed Grid	P225	1" min. to unlimited max.	24" x 48"; P or PC 20" x 60"; P or PC	5/8"	24	255	1, 2	
	P227	1" min. to unlimited max.	24" x 48"; P or PC	3/4" (P)	24	255	1, 2	
	P250***	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	113	1	
1-Hour – Exposed Grid	P206 (RC16-1)	1" min. and max.	24" x 48"; P	5/8"	16	113	1, 2	
	P210 (RC4-1)	1" min. and max.	24" x 48"; PC	5/8"	16	57	1, 2	
	P211 (RC3-1)	1" min. to 2" max.	24" x 48"; PC	5/8"	16	57	1, 2	
	P225	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8" (P or PC)	24	576	1, 2, 3	
	P227	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	5/8"	24	255	1, 2	
	P250***	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	576	1	
Poured Gypsum Concrete Over 1/2" Gypsum Formboard								
1-1/2-Hour – Exposed Grid	P217 (RC6-1-1/2)	1-1/2"	24" x 60"; P	5/8"	16	288	1, 2	
Irma (Inverted Roof Membrane Assembly)								
1-Hour – Exposed Grid	R217 (UL Canada)	2" min. to unlimited max.	24" x 48"; P; or PC	5/8"	24	255	1, 2	
FLOOR/CEILING DRYWALL ASSEMBLIES								
Concrete on Composite Flat Cellular, Fluted or Blend Deck								
2 - Hour	D501	2-1/2"	1	5/8"	None	None	DFR8000 DFR8000SS	
	D502**	2-1/2"	1	5/8"	24	144	DFR8000 DFR8000SS	
Concrete on Metal Lath, Corrugated and Ribbed Deck								
3-Hour	G523	3"	1	5/8"	24	144	DFR8000	
	G524	3-1/2"	1	1/2"	None	113	DFR8000	
	G529	3-1/4"	1	1/2"	24	57	DFR8000	
	G529	3-3/4"	1	5/8"	24	57	DFR8000	
2-Hour	G523	2-1/2"	1	1/2"	24	144	DFR8000 DFR8000SS	
	G524	2-1/2"	1	1/2"	None	113	DFR8000 DFR8000SS	
	G526	2-1/2"	1	1/2"	25	56.5	DFR8000 DFR8000SS	
	G527	2-1/2"	1	1/2"	None	None	DFR8000 DFR8000SS	
	G527	2-1/2"	1	1/2"	24	57	DFR8000 DFR8000SS	
	1 1/2-Hour	G527	2-1/2"	1	1/2"	None	None	DFR8000 DFR8000SS
	Concrete on Steel Deck							
2-Hour	G-553	1"	1	5/8"	None	None	DFR8000	
1-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS	

* Allows flat-board fixture protection ** Concrete plus insulation *** Square edge ceiling panels only

IMPROVE SAFETY

Fire Resistance Assembly Chart

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Maximum Panel or Tile Thickness	Maximum Fixture Penetration (in ² /100 ft ²)	Maximum Duct Penetration (in ² /100 ft ²)	Suspension Systems
FLOOR/CEILING DRYWALL ASSEMBLIES (CONT.)							
Concrete on Composite Steel Joist							
2-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
1-1/2-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
1-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
Clark Deitrich C-Channel System							
2-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-560	1"	1	5/8"	None	None	DFR8000
	G-566	2"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-579	1"	1	5/8"	None	None	DFR8000 DFR8000SS
1-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-560	1"	1	5/8"	None	None	DFR8000
	G-566	2"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-579	1"	1	5/8"	None	None	DFR8000 DFR8000SS
Concrete on Steel Deck and Steel Joists							
3-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
2-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
1-1/2-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
1-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
WOOD DECK/CEILING DRYWALL ASSEMBLIES							
1-Hour	L502	NA	1	1/2"	None	None	DFR8000 DFR8000SS
	L513	NA	1	5/8"	None	None	DFR8000 DFR8000SS
	L515	NA	1	1/2"	None	None	DFR8000 DFR8000SS
	L525	NA	1	1/2"	24	57	DFR8000 DFR8000SS
	L526*	NA	1	5/8"	24	114	DFR8000 DFR8000SS
Plywood (2), 2 x 10 or (1) 4 x 10 Wood Joists							
1-Hour	L508	NA		5/8"	None	None	DFR8000 DFR8000SS
Plywood with Wood Trusses							
1-Hour	L529	NA		5/8"	24	57	DFR8000 DFR8000SS
Structural Cement – Fiber Units Over Steel Joists							
1-Hour	L-564	3/4"	1	5/8"	144	144	DFR8000 DFR8000SS
ROOF/CEILING DRYWALL ASSEMBLIES							
Standing Seam exposed Metal Roof with Batts/Blankets							
1-Hour	P516	NA	2	5/8"	None	None	DFR8000
Mineral Fiber Foam on Cellular, Fluted, Corrugated Metal Deck							
2-Hour	P514	NA	1	5/8"	24	255	DFR8000 DFR8000SS
1-1/2-Hour	P507	NA	1	5/8"	24	57	DFR8000 DFR8000SS
	P510	NA	1	5/8"	24	57	DFR8000 DFR8000SS
	P513*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
1-Hour	P508*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
	P509*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
	P510	NA	1	1/2"	24	57	DFR8000 DFR8000SS
Mineral Fiber/Laminated Gypsum Planks							
1-1/2-Hour	P506	2"	1	5/8"	24	57	DFR8000 DFR8000SS

NOTE: Numbers in parentheses are original UL design numbers.
Some unit sizes are no longer available as standard items; some designs include additional sizes.

*Optional acoustical tile may be glue applied to gypboard.
DFR8000 – UL designation, Fire Guard™ drywall grid system
DFR8000SS – UL designation, Fire Guard ShortSpan® drywall grid system

IMPROVE SAFETY



This Icon is used throughout this catalog to identify **Armstrong products approved for use in seismic zones.**

Seismic Compliance

In geographic seismic zones, properly engineered building structures need to be properly designed to withstand the seismic effects while sustaining an acceptable level of damage. The International Building Code (IBC) presents minimum design/performance requirements and, in some instances, prescriptive guidance for product and installation requirements in seismic areas.

Seismic Performance

Armstrong has an International Code Council-Evaluation Service (ICC-ES) evaluated approach to installations Evaluation Service Report (ESR-1308). The Armstrong Seismic Rx® Suspension System eliminates unsightly 2" wall angles in Category D, E, F seismic-compliant installations. It provides a labor and cost-saving method of meeting seismic codes without the risk of delaying the construction schedule.

See page 346

PURPOSE OF INSTALLATION REQUIREMENTS FOR SUSPENDED CEILING

- Provide a suspension system strong enough to resist lateral forces imposed upon it without failing
- Prevent border panels from falling from the ceiling plane



Flat, level ceiling with standard acoustical suspension



Serpentina® Classic Ceiling Clouds

IBC Requirements for Wall-to-Wall Ceiling Systems with Standard Acoustical Suspension Systems

IBC requirements are based on flat, level suspended ceiling systems – main beams and cross tees suspended from the building structure by wires and wall molding around the perimeter.

- The IBC code is based on the suspension system only
- Many manufacturers market non-standard ceiling systems not covered by the code
- You must be able to prove ceiling systems specified to perform at a level consistent with the intent of the code

Ceiling Designs Using Clouds, Canopies, Blades, and Baffles

Code officials may reject specified products such as clouds or canopies* during plan review, **challenging your design and delaying the construction schedule.** However, the code "is not intended to prevent" certain ceiling systems, and does allow "alternative materials, designs, and methods" to be used. To substantiate claims for alternative materials and designs, code officials "have the authority to require tests as evidence of compliance."² If you are having problems getting free-floating or non-traditional objects approved, contact your local Armstrong representative. See page 346 for a list of tested systems.

1. Section 104.11 Alternative materials, designs, and methods of construction and equipment.
2. Section 104.11.2 Tests.

*Armstrong defines a cloud as a ceiling that is not connected to a wall on any side. Armstrong defines a canopy as a single, unique architectural element which is independently suspended from the building structure.

Seismic Rx allows for a More Aesthetically Pleasing Visual in a Seismic-compliant Installation



ICC Evaluated Heavy-duty Suspension Systems ESR-1308

- Prelude® XL® 15/16" Exposed Tee suspension system
- Suprafine® XL 9/16" Exposed Tee suspension system
- Silhouette® XL 9/16" Slotted Tee suspension system
- Interlude® XL 9/16" Exposed Tee suspension system

2" wall angles are prone to the following problems:

- Difficult to keep "tight" to wall
- Difficult to install corners
- Prone to twisting and warping

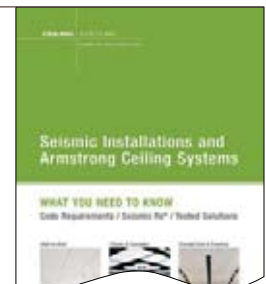


ESR-1308 Lists Specific Armstrong Components and Method of Installation

The performance of the Armstrong Seismic Rx Suspension System is based on the specific combination of components and method of installation. **Other manufacturers' components and installation methods were not tested and are not covered in the ESR-1308 evaluation. Substitution of other components puts the system at risk and is not allowed by this ESR report.**

ARMSTRONG RESOURCES AVAILABLE TO YOU

- armstrong.com/seismic
- TechLine at 1 877 ARMSTRONG (276-7876)
- CS-4141 Seismic Installations and Armstrong Ceiling Systems
- Consult your local code professional for information specific to your region
- Visit these code related web sites:
 - ASTM web site: www.astm.org
 - BSSC web site: www.nibs.org
 - FEMA web site: www.fema.gov
 - ICC web site: www.iccsafe.org
 - USGS web site: geohazards.cr.usgs.gov
- CEU Course: "IBC Seismic Code and Ceiling Installation Requirements"



BPCS-4141 Seismic Installations and Armstrong Ceiling Systems

IMPROVE SAFETY

Armstrong is one of the only ceiling manufacturers consistently providing seismic test results for all types of installations: Wall-to-Wall Ceilings, Canopies, Clouds, Blades, Baffles, and Drywall Grid Systems

Seismic Compliance

Providing a valid Evaluation Service Report to a code official represents the “gold standard” for installations. The ESR represents the safest, least risky method for selecting a seismic ceiling solution. Armstrong has also tested products that do not appear in ESR reports, as many products do not have clear code requirements. Armstrong can provide you with seismic test results via a white paper or test report based on large-scale seismic shake table test results from an IAS accredited test facility (State University of New York, University at Buffalo).

Contact TechLine at 1 877 ARMSTRONG (276-7876), techline@armstrong.com

When requesting a white paper or test report, please have this information ready to share:

- . Project Name
- . Location
- . Product
- . Installing Customer Contact
- . Design Professional Contact

SEISMIC TESTED SYSTEMS

Product	Installation Detail	Product	Installation Detail
Building Perimeters	Perimeter Pocket with Horizontal Diffuser Perimeter Pocket with Vertical Diffuser	Seismic	Category C Installation per Code Category D, E & F Installation per Code Seismic Corridor with 12" Gusset Seismic Corridor with 8" Gusset Seismic Joint Clip Main Beam (SJMR15) Fully Loaded Seismic Joint Clip Main Beam (SJMR9) Fully Loaded Seismic Joint Main Beam Splice Seismic Separation Joint on Prelude XL Seismic Separation Joint on Suprafine® XL
Canopies	Capz™ Infusions® Hills Infusions Valleys Infusions (Grouped) MetalWorks™ Canopies SoundScapes® Canopies MetalWorks Wings WoodWorks® Canopies	Seismic Rx	BERC2 45-degrees to the Wall on Prelude XL BERC2 Fully Loaded on Prelude XL BERC2 on 7897 Shadow Molding with Ultima® Vector Panels BERC2 on Interlude® BERC2 on Interlude with Lights & Sprinklers BERC2 on Silhouette® XL with Diffusers & Sprinklers BERC2 with Prelude XL Intermediate Duty BERC2 with Suprafine XL Prelude XL - Alternate Category C
Blades	SoundScapes Blades MetalWorks Blades	Standard Suspension System	DC FlexZone™ Fully Loaded Metaphors® Optima® Radial Ceiling Optima Vector Optima Vector 24" x 96" Panels Optima Vector 48" x 48" Prelude XL Fire Rated Prelude XL Heavy-duty Prelude XL to Black Iron (NYC) Ultima Shiplap Full Room Silhouette XL with Shadow Molding Sloped Ceiling Suprafine XL Installation per Code TechZone™ Ultima Beveled Tegular Ultima Vector
Clouds	72" x 72", 144" x 144", and 168" x 168" Formations™ 12" Axiom® Floating 2-sides with Prelude® XL® ID 12" Axiom Floating Cloud with Prelude XL ID 6" Axiom Floating 2-sides with Prelude XL ID 6" Axiom Floating Cloud with Prelude XL ID Formations Curves Serpentina® Classic Serpentina Waves™ SoundScapes Shapes	WoodWorks	Access Concealed Linear Curved Linear Flat Tegular on Prelude XL Vector on Prelude XL
Corridors	Acoustical Locking Angle Mold with 8" Gusset Acoustical Locking Angle Mold with 12" Gusset Acoustical Locking Angle Mold with Fiberglass Panels Acoustical Locking Angle Mold with Mineral Fiber Panels Corridor ShortSpan® Corridor System with Gusset	Direct Attach	Capz
Drywall Systems	6' DGS Tees Drywall Grid System QuikStix™ Locking Pocket Main ShortSpan 14' ShortSpan 6'		
MetalWorks	3D Concealed DH700 Faceted Tegular and Vector® Fastrack 3", 6", and 12" Flush Tegular on Prelude XL Linear Curved and Flat Open Cell 4" and 8" Planks RH200 RH200 Cantilevered Curved RH215 Curved RH215 Square Tegular on Prelude XL Standard Planks Tartan™ 3" Tartan 6" with Mega Panels Tartan 6" with Planks Vector on Prelude Suspension System Wings		

REFERENCE – SEISMIC COMPLIANCE

CEILING

Item Number Index

CEILING PRODUCTS * SF per carton unless otherwise noted

Packaging information is subject to change. Before specifying or ordering, contact TechLine at 1 877 ARMSTRONG (276-7876).

Item No.	Sq. Ft.* Ctn.	Page No.	Item No.	Sq. Ft.* Ctn.	Page No.	Item No.	Sq. Ft.* Ctn.	Page No.	Item No.	Sq. Ft.* Ctn.	Page No.	Item No.	Sq. Ft.* Ctn.	Page No.
10075H/V	Bulk	41-42	1728	64	173-174	1912HRC	48	225-228	2910	128	213	3257PB	96	197-200
1015H/V	Bulk	41-42	1728BL	64	101, 136	1913	48	223-224, 235-238	2911	128	213	3258	75	235-238
10225H/V	Bulk	41-42	1729	96	173-174	1913HRC	48	223-224, 235-238	2968	128	211-212	3259	75	197-200, 235-238
1030H/V	Bulk	41-42	1732	64	175-176	1914	48	225-228	2970	120	211-212	3261	72	197-200, 235-238
10375H/V	Bulk	41-42	1733	80	175-176	1914HRC	48	225-228	2983	128	211-212	3261PB	72	197-200
1045H/V	Bulk	41-42	1734	64	175-176	1915	48	225-228, 235-238	2988	80	211-212	3262	96	197-200, 235-238
10525H/V	Bulk	41-42	1736	100	173-174	1915HRC	48	225-228	2989	80	211-212	3262PB	96	197-200
1060H/V	Bulk	41-42	1737	100	173-174	1916	24	225-228, 239	301	64	221	3263	48	197-200
1075H/V	Bulk	41-42	1738	75	173-174	1917	24	225-228, 239	302	64	221	3264	48	239
1090H/V	Bulk	41-42	1752	64	181-182	1918	24	192	303	48	221	3265	100	197-200, 235-238
10STR	Bulk	41-42	1753	64	181-182	1920	48	231-232	304	48	221	3265PB	100	197-200
1400	24	194-196, 239	1754	40	177-178	1921	24	231-232	305	64	221	3266	62.22	197-200, 235-238
1401	24	194-196, 239	1755	48	177-178	1929	67.5	225-228, 235-238	3101	128	209-210	3268	70	197-200, 235-238
1402	24	197-200, 239	1756	40	177-178	1935	48	223-224, 233	3102	96	209-210	3269	93.33	197-200, 235-238
1403	24	197-200, 239	1757	48	177-178	1936	48	225-228, 239	3103	96	209-210	3276	75	197-200, 235-238
1404	30	194-196, 239	1758	40	177-178	1937	48	225-228, 233	3104	128	209-210	3277	100	197-200, 235-238
1405	30	194-196, 239	1759	48	177-178	1938	48	223-224, 233	3114	96	194-196, 205-206	3278	100	235-238
1406	30	197-200, 239	1760	80	179	1940	40	229-230	3115	96	194-196, 205-206	3279	84	197-200, 235-238
1407	30	197-200, 239	1761	80	179	1941	40	229-230	3150PB	128	194-196	3280	84	197-200, 235-238
1409	96	197-200, 239	1762	80	179	1942	40	229-230	3151	128	194-196, 235-238	3281	72	235-238
1410	16	197-200, 239	1765	80	179	1942HRC	48	229-230	3151PB	128	194-196	3282	96	235-238
1411	20	197-200, 239	1766	80	179	1943	48	229-230	3152	96	194-196, 235-238	3283	67.5	197-200, 235-238
1412	6	197-200, 239	1772	64	169-170	1944	40	229-230	3152PB	96	194-196	3284	94	197-200, 235-238
1413	12	197-200, 239	1773	80	169-170	1945	40	229-230	3153	96	194-196, 235-238	3285	100	197-200, 235-238
1414	48	197-200, 239	1773HRC	64	169-170	1951	48	225-228	3156	100	194-196, 235-238	3286	100	235-238
1415	21	197-200, 239	1774	64	169-170	1952	48	225-228	3157	100	194-196, 235-238	3287	112	197-200, 235-238
1417	27	197-200, 239	1774HRC	64	169-170	1980	72	223-224, 235-238	3158	75	194-196, 235-238	3288	117.33	197-200, 235-238
1420	24	223-224, 239	1775	64	169-170	1981	72	225-228, 235-238	3159	64	194-196	3289	93.33	197-200, 235-238
1422	24	225-228, 239	1775HRC	64	169-170	1982	72	225-228, 235-238	3160	128	194-196, 235-238	3290	48	197-200, 235-238
1423	24	225-228, 239	1776	80	169-170	1984	80	223-224, 235-238	3161	96	194-196, 235-238	3314	64	194-196, 205-206
1425	30	223-224, 239	1776HRC	80	169-170	1985	80	225-228, 235-238	3162	128	194-196, 235-238	3315	64	194-196, 205-206
1427	30	225-228, 239	1777	80	169-170	1986	80	225-228, 235-238	3164	100	194-196, 235-238	3316	64	197-200, 205-206
1480	29	137	1796	66.67	169-170	1988	72	23-232	3200	96	209-210	3317	64	197-200, 205-206
1610	24	239	1798	50	169-170	1990	24	223-224	3201	96	209-210	3352	96	194-196
1611	30	239	1810	48	173-174, 215-216	1991	30	223-224	3214	96	197-200, 205-206	3353	96	194-196
1612	24	239	1811	64	173-174, 215-216	1992	36	223-224	3215	96	197-200, 205-206	3354	96	197-200
1613	30	239	1820	48	175-176, 215-216	1993	24	225-228	3216	96	197-200, 205-206	3355	96	197-200
1614	24	239	1821	48	173-174, 215-216	1994	30	225-228	3217	96	197-200, 205-206	3356	64	194-196
1615	30	239	1824	64	215-216	1995	36	225-228	3249	108	197-200, 235-238	3900	48	201-202
1616	24	239	1830	64	173-174	1996	24	225-228	3250	96	235-238	3900PB	48	201-202
1617	30	239	1831	64	173-174	1997	30	225-228	3251	96	197-200, 235-238	3901	48	201-202
1640	24	239	1833	48	175-176	1998	36	225-228	3251PB	96	197-200	3902	48	201-202
1641	30	239	1834	64	175-176	2195	64	163-164	3252	96	197-200, 235-238	3903	48	201-202
1642	24	239	1835	48	175-176	2600	48	183-184	3253	64	197-200	3904	75	201-202
1643	30	239	1850	48	169-170	2602	48	183-184	3254	64	197-200	3905	75	201-202
1644	24	239	1851	64	169-170	2711	80	171	3255	128	235-238	3906	72	201-202
1645	30	239	1852	48	169-170	2712	80	171	3256	128	197-200, 235-238	3907	96	201-202
1646	24	239	1853	48	169-170	2758	64	163-164	3256PB	128	197-200	3908	96	201-202
1647	30	239	1861	64	179	2765	80	163-164	3257	96	197-200, 235-238	3908PB	96	201-202
1650	24	239	1894	48	225-228	2767	80	163-164	3257PB	96	197-200, 235-238	3909	128	201-202
1651	30	239	1895	48	225-228	2776	80	163-164	3257PB	96	197-200, 235-238	3920	Bulk	61-62
1652	24	239	1900	48	223-224	2820	40	148A-148B	3257PB	96	197-200, 235-238	3921	Bulk	61-62
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1655	30	239	1903	48	223-224	2824	40	148A-148B						
1656	24	239	1904	48	225-228	2904	128	214						
1657	30	239	1905	62.5	225-228, 235-238	2905	128	214						
1713	48	173-174, 215-216	1906	48	225-228	2906	128	214						
1714	64	173-174, 215-216	1910	48	223-224, 235-238	2907	128	214						
1715	48	161-162	1910HRC	48	223-224	2908	128	213						
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CEILING

FastSize™ Items Availability indicated on product pages.

Service Category	Service Level	Availability	Details
Made-To-Stock Items	A	5-10 days	Item numbers noted in BOLD on this index
Made-To-Order Items (not inventoried)	C	20-30 days	–
Special Made-To-Order Items (not inventoried)	S	30 days plus	Minimum quantities and setup charges apply
Metric Items	–	30 days plus	Minimum quantities apply

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3922	Bulk	61-62	5406W1	4	113-114	5665	Bulk	119-121	5944	10	40	6466M3	40	81-82
3923	Bulk	61-62	5406W2	4	113-114	5666	Bulk	119-121	5948	30pcs	128	64780M10	Bulk	31-32
3930	72	31-32	5406W3	4	113-114	5671	Bulk	121	5960P1WH	Bulk	91	64790M10	Bulk	31-32
3931	96	31-32	5406W4	4	113-114	5672	Bulk	121	5960P2WH	Bulk	91	6480	4	113-114
3932	128	31-32	5406W5	4	113-114	5673	Bulk	121	5961P1WH	Bulk	91	6482	8	113-114
3932BL	128	31-32	5406W6	4	113-114	5674	Bulk	121	5961P2WH	Bulk	91	6484	4	113-114, 235-238
3933	128	31-32	54101	40	37-38	5675	Bulk	121	5962P1WH	Bulk	91	6485	6	113-114
3934	96	31-32	54102	80	37-38	568	48	153-154	5962P2WH	Bulk	91	6486	8	113-114, 235-238
3935	80	31-32	5415W1	16	135	5687	250pcs	121	5963P1WH	Bulk	91	6487	12	113-114
3936	80	31-32	5419W1	32	135	5688	250pcs	121	5963P2WH	Bulk	91	64901M10	16	31-32
4075H/V	Bulk	41-42	5440	16	51-52	572	40	151-152	5964P1WH	Bulk	91	64902M10	32	31-32
415H/V	Bulk	41-42	5441	16	51-52	5725	20	189-192	5964P2WH	Bulk	91	64910M10	Bulk	31-32
4225H/V	Bulk	41-42	5442	16	51-52	5726	20	189-192	5965P1	32	90	64920M10	Bulk	31-32
430H/V	Bulk	41-42	5443	16	51-52	5727	20	189-192	5965P4	8pcs	90	64930M10	Bulk	31-32
435	80	200, 204	5444	16	51-52	5728	20	189-192	5979W1	Bulk	55	64940M10	Bulk	31-32
436	80	204	5445	16	51-52	5729	20	189-192	5983	8	111-112	6510	Bulk	113-114, 235-238
4375H/V	Bulk	41-42	5448	24	51-52	574	48	150	5984	12	111-112	6511	Bulk	113-114, 235-238
440A	80	135, 232	5449	32	51-52	574HRC	48	150	5985	16	111-112	6512	Bulk	113-114, 235-238
441	80	202	5479	48	96, 101, 112, 138	576	40	151-152	605	48	149	6513	Bulk	239
442A	80	135, 202, 232	5487	16	32	577	48	151-152	607	48	149	6514	Bulk	239
445H/V	Bulk	41-42	5488P1WH	32	92	578	48	151-152	6075H/V	Bulk	41-42	6519	Bulk	239
4525H/V	Bulk	41-42	5488P4WH	32	92	5790	10pcs	202, 232	608	48	149	6525H/V	Bulk	41-42
460H/V	Bulk	41-42	5494	128 LF	87	5791	10pcs	202, 232	6096	95.57	102	6541	13.5	189-192
475H/V	Bulk	41-42	5497	120 LF	87	5792	10pcs	202, 232	6098	98.95	102	660H/V	Bulk	41-42
490H/V	Bulk	41-42	5498	120 LF	87	5793	10pcs	202, 232	6099	97.14	102	6603W1	60	112, 135
4STR	Bulk	41-42	5499	50pcs	87	581	48	151-152	6128AM	Bulk	87-88	6604M1	114pcs	86
510	48	157-158	551	48	153-154	5823	48	101	6129AM	Bulk	87-88	6604M2	114pcs	86
511	48	157-158	556	40	153-154	583	48	151-152	6131AM	Bulk	87-88	6605	Bulk	63-64
512	48	157-158	557	48	155-156	584	48	151-152	6132AM	Bulk	87-88	6606	Bulk	63-64
513	48	157-158	558	40	153-154	584HRC	48	151-152	6133AM	Bulk	87-88	6607	Bulk	63-64
514	48	157-158	5580	20pcs	87	5843	100pcs	128	6136AM	Bulk	87-88	6608M1	32	86
522	80	202	5581	50pcs	87	5846	6pcs	40	6137AM	Bulk	87-88	6608M2	32	86
533	48	150	5582	50pcs	87	5847	3pcs	40	6138AM	Bulk	87-88	6610	80	40
533HRC	48	150	5588	100pcs	92	585	48	155-156	6139AM	Bulk	87-88	6611	40	40
534	40	151-152	5598	100pcs	92	589	48	151-152	615H/V	Bulk	41-42	6612M1	48	86
5342	32	101	5600	–	102	589HRC	48	151-152	625530	4pcs	49	6612M2	48	86
5344	60	101	56001B1	4 OR 8	96	590	48	155-156	6258	Bulk	49	6613	22.5	189-192
5346	60	101	56002B1	4 OR 8	96	5900CW7	3.7	115-117	6259	Bulk	49	6614	22.5	189-192
535	48	151-152	56003B1	4 OR 8	96	5900CW8	3.7	115-117	626	48	155-156	6615	22.5	189-192
535HRC	48	151-152	56004B1	4 OR 8	96	5900CW9	3.6	115-117	6260	Bulk	49	6616	22.5	189-192
5376	Bulk	39	56005B1	4 OR 8	96	5901CW7	4.63	115-117	6261	Bulk	49	6622	Bulk	129-130
5377	Bulk	39	56006B1	4 OR 8	96	5901CW8	4.63	115-117	628	48	155-156	6623	Bulk	129-130
538	40	151-152	56007B1	4 OR 8	96	5901CW9	4.49	115-117	630H/V	Bulk	41-42	6624	Bulk	129-130
539	48	151-152	56008B1	4 OR 8	96	5903W7	16	115-117	6412AM	Bulk	87-88	6625	Bulk	129-130
539HRC	48	151-152	56009B1	4	96	5903W8	16	115-117	6413AM	Bulk	87-88	6626	Bulk	129-130
5396	Bulk	92	56001B3	4 OR 8	96	5903W9	16	115-117	6414AM	Bulk	87-88	662808	Bulk	119, 121-122
5398	Bulk	92	56002B3	4	96	5904W7	16	115-117	6415AM	Bulk	87-88	662812	Bulk	119, 121-122
5401W1	16	113-114	56003B3	4 OR 8	96	5904W8	16	115-117	6416AM	Bulk	87-88	662912	Bulk	119, 121-122
5401W2	16	113-114	56004B3	4 OR 8	96	5904W9	16	115-117	6417AM	Bulk	87-88	663008	Bulk	119, 121-122
5401W3	16	113-114	56005B3	4 OR 8	96	5908	10	40	6418AM	Bulk	87-88	663012	Bulk	119, 121-122
5401W4	16	113-114	56006B3	4 OR 8	96	591	48	155-156	6440W1	Bulk	127-128	663112	Bulk	119, 121-122
5401W5	16	113-114	56007B3	4 OR 8	96	5911	24	139-142	6447W1	22.5	189-192	66331WH	16	50
5401W6	16	113-114	56008B3	4 OR 8	96	5912	24	139-142	6448M1	22.5	189-192	66334WH	64	50
5403W1	16	113-114	56009B3	4	96	5913	24	139-142	6448M2	22.5	189-192	66341WH	32	50
5403W2	16	113-114	56051	Bulk	102	5914	16	139-142	645H/V	Bulk	41-42	66344WH	128	50
5403W3	16	113-114	56052	Bulk	102	5915	16	139-142	6459BL	25pcs	128, 136	66351WH	24	50
5403W4	16	113-114	56053	Bulk	102	5917P1	40	40	6460W1	Bulk	127-128	66352WH	48	50
5403W5	16	113-114	56054	Bulk	102	5917P2	40	40	6461	64	79-80	6640W1	Bulk	127-128
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Packaging information is subject to change. Before specifying or ordering, contact TechLine at 1 877 ARMSTRONG (276-7876).

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6648	Bulk	239	7219	Bulk	80	FXSPLICE	10pcs	128, 136	S804	8	159-160	SV300808	1 kit	45-48
6649	Bulk	239	734	80	168	FXSP-THDC	10pcs	102, 136	S805	8	159-160	SV300810	1 kit	45-48
6650	Bulk	239	735	64	168	FXTBC	10pcs	136	S850	8	159-160	SV300812	1 kit	45-48
6660W1	Bulk	127-128	737	64	168	FXVTBC	10pcs	102, 136	S851	8	159-160	SV301004	1 kit	45-48
6661B1L5	Bulk	96	741	40	172	S400	8	159-160	S852	8	159-160	SV301006	1 kit	45-48
6662B1L5	Bulk	96	746	40	172	S401	8	159-160	S853	8	159-160	SV301008	1 kit	45-48
6664	Bulk	78	747	64	163-164	S410	8	159-160	S854	8	159-160	SV301010	1 kit	45-48
6665	Bulk	78	755	96	180	S411	8	159-160	S855	8	159-160	SV301012	1 kit	45-48
6667	Bulk	78	756	64	180	S412	8	159-160	SH300404	1 kit	45-48			
6668	Bulk	78	763	96	181-182	S413	8	159-160	SH300406	1 kit	45-48			
6680	Bulk	115-116, 118	764	64	181-182	S414	8	159-160	SH300408	1 kit	45-48			
6681	Bulk	118	769	96	163-164	S420	8	159-160	SH300410	1 kit	45-48			
6683	Bulk	118	770	64	101	S421	8	159-160	SH300412	1 kit	45-48			
6684	Bulk	118	772	100	163-164	S450	8	159-160	SH300604	1 kit	45-48			
6685	Bulk	118	773	100	163-164	S451	8	159-160	SH300606	1 kit	45-48			
6686	Bulk	118	793	96	181-182	S461	8	159-160	SH300608	1 kit	45-48			
6687	Bulk	118	794	64	181-182	S462	8	159-160	SH300610	1 kit	45-48			
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6689C	4.63	115-116, 118	796	48	181-182, 215-216	S464	8	159-160	SH300804	1 kit	45-48			
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6692W1	Bulk	123, 125-126	8007	48	183-184	S471	8	159-160	SH300812	1 kit	45-48			
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682	48	187-188	8013	48	185-186	S512	8	159-160	SH301204	1 kit	45-48			
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684	64	187-188	815	48	180	S551	8	159-160	SH301208	1 kit	45-48			
685	64	187-188	815H/V	Bulk	41-42	S552	8	159-160	SH301210	1 kit	45-48			
686	48	187-188	816	48	163-164	S553	8	159-160	SH301212	1 kit	45-48			
687	48	187-188	8200100	48	101	S556	8	159-160	SH450404	1 kit	45-48			
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7005	2pcs	38	828	64	181-182	S601	8	159-160	SH450412	1 kit	45-48			
7006	2pcs	39, 49	830H/V	Bulk	41-42	S602	8	159-160	SH450604	1 kit	45-48			
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7086	48	58A-58D	8365	100	186A-186B	S652	8	159-160	SH450806	1 kit	45-48			
7087	64	58A-58D	8370	128	186A-186B	S653	8	159-160	SH450808	1 kit	45-48			
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7211	Bulk	75-76	871	64	161-162	S756	8	159-160	SV300604	1 kit	45-48			
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7215	Bulk	80	896	64	180	S800	8	159-160	SV300610	1 kit	45-48			
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SUSPENSION SYSTEMS

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Service Category	Service Level	Availability	Details
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Made-To-Order Items (not inventoried)	C	20-30 days	–
Special Made-To-Order Items (not inventoried)	S	30 days plus	Minimum quantities and setup charges apply
Metric Items	–	30 days plus	Minimum quantities apply

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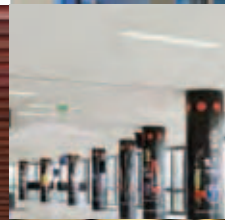
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CEILINGS, SUSPENSION SYSTEMS & WALLS

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The screenshot shows the Armstrong website interface with several key features highlighted by red lines and labels:

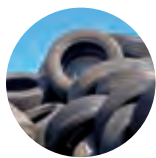
- Photo Gallery:** Located in the top left navigation menu, it includes links for Photo Gallery, Case Studies, InVision Design Tool, Configure It Layout Tool, Switch It Digital Samples, Video Library, and Photo Blog.
- Product Selector via search engine:** A vertical menu on the left side of the page listing categories like CEILING, FINISHED FORM, MATERIAL TYPE, SPACE, ACOUSTICS, INSTALLATION SYSTEMS, and WALLS.
- CAD/Revit:** A menu item in the top right navigation bar.
- Build a Spec/Submittal:** A sub-menu item under CAD/Revit.
- Warranty:** A menu item in the top right navigation bar.
- TechLine™:** A menu item in the top right navigation bar.
- DESIGN TOOLS:** A section in the bottom right containing InVision™ Ceiling Design Tool, Switch It - Create Digital Samples, Configure It - Guided Layout Tool, and CAD/REVIT - Download Center.
- ACOUSTICS:** A section in the bottom right containing Learn About Acoustics and Market Resources.
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