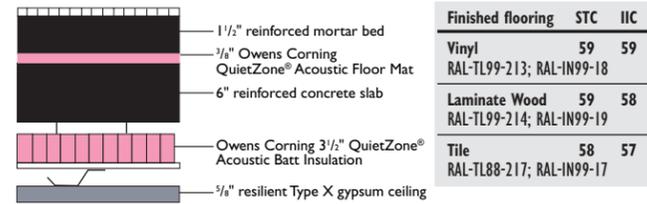


QuietZone® Acoustic Floor Mat cont.

QuietZone® Acoustic Floor Mat Slab Construction



Passed Light Commercial Rating when tested in accordance with ASTM C 627 by the Tile Council of America. Acoustic Testing completed by the Riverbank Acoustical Laboratories.

QUIETZONE™ ACOUSTIC DOOR SYSTEM



The QuietZone Acoustic Door System is available through Masonite International Corporation. Please contact 1-800-GET-PINK for the Masonite® Sales Representative in your area. The QuietZone Acoustic Door is a Masonite® Safe 'N Sound Door equipped with a QuietZone Acoustic Door Seal Kit. This kit allows the door to deliver an STC 25 level of noise isolation.

Product Specifications

- Pre-hung with split or flat jamb assembly
- Wide range of available door styles
- Height — 80", 84", 96"
- Width — 24", 28", 30", 32", 36"
- QuietZone Acoustic Door Seal Kit
 - Automatic door bottom seal
 - High-grade perimeter seal gasket

Applicable Standards

The test method conformed explicitly to the requirements of the ASTM Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements: ASTM E 90-97 and the ASTM Standard Test Method for Laboratory Measurement of the Sound Transmission Loss of Door Panels and Door Systems: ASTM E 1408-91.

ASTM E 90: Laboratory Measurement of Transmission Loss [Frequency (Hz)]							
Transmission Loss (dB)	Transmission Loss [Frequency (Hz)]						
	125	250	500	1000	2500	5000	STC
QuietZone Acoustic Door	23	23	23	27	28	33	25
Luan Hollow Core Door	8	11	9	8	12	14	15

ROOMS SO QUIET...

The only sounds you hear will be compliments. The QuietZone Noise Control System. Unsurpassed product excellence and a distinct competitive advantage. Owens Corning is quietly changing the way you think about noise control.



INNOVATIONS FOR LIVING™

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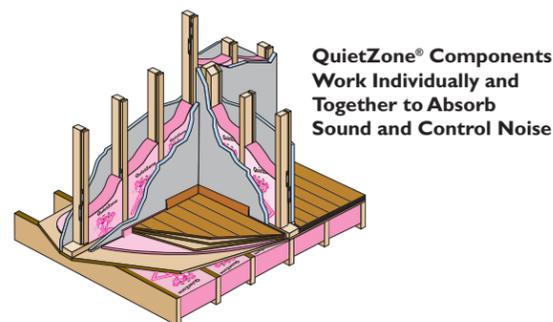
INNOVATIONS FOR LIVING™

QUIETZONE® RESIDENTIAL NOISE CONTROL



Noise control for single- and multi-family residential construction

QuietZone products and systems make single- and multi-family homes quieter and more comfortable to live in. QuietZone products provide hassle-free solutions to your noise problems without the need for expensive or complicated installation methods.



QUIETZONE® ACOUSTIC BATTS



QuietZone Acoustic Batts are engineered to absorb sound within the wall, ceiling or floor cavity. Both faced and unfaced QuietZone Acoustic Batts are available for use with regular wood studs or with QuietZone Acoustic Wall Framing.

Product Specifications—Wood Stud or QuietZone® Acoustic Wall Framing Construction

Faced/Unfaced	Width	Length	Thickness	Package Type	Pieces/Package	Sq Ft/m ²
Faced	15" / 381mm	93" / 2362mm	3 1/4" / 89mm	Bag	16	155 / 14.4
Faced	15 1/2" / 394mm	93" / 2362mm	5 1/4" / 140mm	Bag	10	101 / 9.38
Faced	23" / 584mm	93" / 2362mm	3 1/4" / 89mm	Bag	16	238 / 22.11
Faced	15" / 381mm	103" / 2667mm	3 1/4" / 89mm	Roll	8	88 / 8.18
Unfaced	15 1/4" / 387mm	93" / 2362mm	3 1/4" / 89mm	Bag	16	158 / 14.68
Unfaced	15 1/4" / 387mm	103" / 2667mm	3 1/4" / 89mm	Bag	16	178 / 16.54
Unfaced	23 1/4" / 590mm	93" / 2362mm	3 1/4" / 89mm	Bag	16	241 / 22.39

Fire Safety and Applicable Standards

QuietZone Acoustic Batts comply with ASTM C 665, Type II, Class C. Federal Specification HH-1-521F has been canceled and is replaced by ASTM C 665. QuietZone Acoustic Batts also comply with the requirements of the Uniform Building Code (UBC) building Types III, IV and V; National Building Code (BOCA) building Types 3, 4 and 5; and Standard Building Code (SBCCI) building Types III, V and VI.

Kraft facing on QuietZone Acoustic Batts will burn and must not be left exposed. The facing must be installed in substantial contact with an approved interior partition construction material. Protect facing from open flame or other heat sources such as high-temperature appliances, fireplace flues or furnaces.

(Always check with your local building code official regarding local requirements affecting installation of all building components.)

QUIETZONE™ SOLSERENE™ FABRIC CEILING SYSTEM



QuietZone SOLSERENE Fabric Ceiling System can provide a seamless finish combined with exceptional sound absorption properties for virtually any size or design of ceiling—whether it is a soaring vaulted great room or a basement ceiling. It is a new and innovative approach to control sound in a residential setting, without abandoning the clean lines of a conventional drywall or plaster finish.

Product Specifications

QuietZone SOLSERENE Fabric Ceiling System is a complete stretch-fabric system consisting of:

- Durable, dimensionally stable, acoustically transparent textile fabric available in widths up to 16' 4".
- Acoustically absorptive glass fiber core material.
- Fabric Retaining Track available in various configurations to accommodate perimeter, mid-wall, or corner securement of the fabric.

Physical Property Data

System Thickness	1.5"	1.5"
Core	1" glass fiber blanket	1" glass fiber blanket
Mounting	A direct to drywall	E400 direct to ceiling joists with air space
Frequency/Absorption		
125	.07	.79
250	.32	1.06
500	.76	.81
1000	.99	1.04
2000	1.05	1.08
4000	1.06	1.10
NRC	.80	1.00

QUIETZONE® ACOUSTIC WALL FRAMING



Owens Corning's QuietZone Acoustic Wall Framing is exclusively manufactured and sold under license in the U.S., Canada and Mexico by Jager Building Systems, a division of Tembec Forest Products Group. Call 1-800-GET-PINK for the sales representative in your area. QuietZone Acoustic Wall Framing is a hassle-free, multi-component engineered wood stud assembly that combines built-in noise isolation capabilities and ease of installation, all in the equivalent dimensions of regular wood stud framing. Walls built with QuietZone can be constructed using traditional building practices to provide the highest level of noise isolation performance when compared to all other methods such as resilient channel, double-stud walls, and staggered-stud walls. Because the system installs like regular studs without the need for additional components or complex design details, QuietZone Acoustic Wall Framing can be assembled faster and at a lower installed cost. Because QuietZone Acoustic Wall Framing is sized equivalent to standard wood and steel stud material, the installed wall will be thinner for the required STC rating, and will require no secondary furring around wall openings.

QuietZone® Acoustic Wall Framing cont.

Product Specifications—Maximum Vertical Load (lbs / linear foot)

Interior Walls Only – Single Layer Type X Gypsum Both Sides – Interior Lateral Wall Pressure of 5 psf

Wall Height	Stud Length	2 x 4 Wall On-Center Spacing			2 x 6 Wall On-Center Spacing		
		12"	16"	24"	12"	16"	24"
8'	92 3/8"	670	615	530	2230	2230	2090
9'	104 3/8"	495	445	365	1815	1725	1570
10'	116 3/8"	370	325	245	1425	1340	1200
12'	144"				865	790	665
14'	168"				580	515	395

Fire Safety and Applicable Standards

QuietZone Acoustic Wall Framing has been tested in accordance with ANSI/UL263, ASTM E 119 and NFPA51 and is listed in the UL (Design No. U368) Fire Directory with a 1-hour fire rating classification. (Always follow UL Fire Directory guidelines.)

Two layers 5/8" thick Type X or C gypsum board or 1/2" thick Type C gypsum board are required on both sides of the acoustic wall framing. QuietZone Acoustic Batts are required to fill the stud cavities in both 2x4-stud and 2x6-stud construction. When properly installed, filling the wall cavity with QuietZone Acoustic Batts also provides fire stopping in lieu of conventional wood blocking. See QuietZone Acoustic Wall Framing Architectural Specifications for more information.

Load Bearing Acoustical Non Fire Rated Performances

STC Performance Ratings – Single Layer Type X or Type C Gypsum – Both Sides

2 x 4 QZ Framing & QZ Batts	Wall Depth	STC
16" o.c.	1 1/2" gyp	4 3/8"
24" o.c.	3/8" gyp	4 7/8"
2 x 6 QZ Framing & QZ Batts	Wall Depth	STC
16" o.c.	1 1/2" gyp	6 5/8"
24" o.c.	3/8" gyp	6 7/8"

Load Bearing Acoustical Fire Rated Performances

STC Performance Ratings – Double Layer Type X or Type C Gypsum – Both Sides

2 x 4 QZ Framing & QZ Batts	Wall Depth	STC	Fire Rating
16" o.c.	1 1/2" gyp	5 3/8"	1 hour
24" o.c.	3/8" gyp	6 1/8"	1 hour
2 x 6 QZ Framing & QZ Batts	Wall Depth	STC	Fire Rating
16" o.c.	1 1/2" gyp	7 3/8"	1 hour
24" o.c.	3/8" gyp	8 1/8"	1 hour

QUIETZONE® ACOUSTIC SEALANT



Acoustically engineered to block sound vibrations, QuietZone Acoustic Sealant is a silicone-enhanced acrylic mastic sealant that retains acoustic properties over time and won't harden for the lifetime of the product. It is used for gaps between wall stud plates and the subfloor; around electrical boxes, outlets, air ducts, doors and windows. The material is well suited for both interior and exterior caulking applications.

Product Specifications

Net 10.1 fl. oz. (300ml). QuietZone Acoustic Sealant rates on average: 5 for Flexibility; 5 for Durability; 5 for Adhesion to Wood; 5 for Adhesion to Glass; 5 for Adhesion to Metal; and 5 for Adhesion to Masonry (Rating scale: Superior: 5 – Lowest: 1). Internal and external uses apply to most surfaces.

Applicable Standards

QuietZone Acoustic Sealant exceeds ASTM C 834, Type P, Grade -18PC, and exceeds performance requirements of T-T-S-00230C, Type II, Class A and ASTM C 920, Class 25.

QUIETZONE® ACOUSTIC FLOOR MAT



Made of lightweight, closed-cell polyethylene foam, QuietZone Acoustic Floor Mat is designed to isolate sound vibration and reduce impact noise. It is applied between the subfloor and a plywood or gypsum concrete overlayment that then "floats" on the mat. The material is lightweight and easy to cut and install.

Product Specifications

- 3/4" thick x 4' wide x 35' long = 140 sq. ft.
- Packaged in rolls 4' long x 16" in diameter.

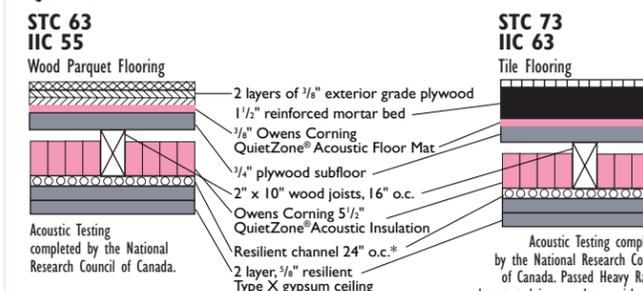
Fire Safety and Applicable Standards

QuietZone Acoustic Floor Mat has been tested in accordance with the following standards: ASTM 627 by the Tile Council of America, and acoustic testing in accordance with ASTM E 492 and ASTM E 90. Thermal barrier and structural requirements are met by using two layers of 3/4" exterior grade plywood or 1 1/4" of gypsum concrete.

Physical Property Data

Property	Test Method	Value
Compressive Strength Vertical Direction	ASTM D 3575-93 Suffix D @ 25% / 50%	720 / 1800 (psf)
Compression Set (50% deflection requires a loading of 1800 psf)	ASTM D 3575-93 Suffix B	19% (81% Recovery)
Nominal Density	ASTM C 303	2.2 (pcf)
Water Absorption	ASTM D 3575-93 Suffix L	<0.1 (psf)
Thermal Resistance R-Value	ASTM C 518-85	1.3 (hr-ft ² -°F/Btu)

QuietZone® Acoustic Floor Mat Wood Frame Construction



* Should be perpendicular to the stud, and spacing should be noted.