

ACOUSTICAL SOLUTIONS

DECORATIVE NOISE REDUCING SOLUTIONS FOR WALLS AND CEILINGS



CISCA Construction Excellence
Award Winner

BOK CENTER
Tulsa, OK



ACOUSTICAL SYSTEM SOLUTIONS

With over 60 years of experience, ALPRO® ACOUSTICAL SYSTEMS sets the standard for effective noise reduction solutions that are attractive, economical, and suitable for any environment. ALPRO's comprehensive line of acoustical products are manufactured from perforated metals that are formed, assembled, and finished to create systems of high performance and premium aesthetics. As the name implies, ALPRO ACOUSTICAL SYSTEMS applies a total systems approach to the design and manufacture of products for the management of noise and reverberation time in new construction, renovation, and retrofit projects.

ADVANTAGES OF METAL ACOUSTICAL SYSTEMS

- Excellent noise reduction qualities
- Maximum durability and abuse resistance
- Non-combustible – 'Class A' flame spread rating
- Low maintenance; easy to clean
- Economical and affordable alternative to other materials
- Numerous color and custom finish options
- Suitable for interior and exterior applications
- Available in smooth or embossed surfaces

ALPRO ADVANTAGES

- OPTIMAL ACOUSTICAL PERFORMANCE – Tested NRC ratings of 1.00 and above
- 10 CORRUGATION PATTERNS
- FINISHES
 - More in-house finish options than any other manufacturer
 - Post-fabrication powder coating guarantees total surface coverage and maximum protection against corrosion.
 - 10 stock colors in standard and premium finishes
 - 12 stock colors in our exclusive, enhanced durability ACROGUARD® powder coat
 - Anti-microbial powder coat for lifetime protection against biological growth
 - Custom color match capability
- TOTAL SYSTEMS SOLUTIONS FROM A SINGLE SOURCE
- AWARD WINNING CUSTOM DESIGN CAPABILITY – ALPRO's design professionals are always available to help architects and designers realize their visions for uniquely expressive and functional designs.
- LEED design credits – Our Eco-Philosophy and commitment to "green" design and manufacturing practices are unequaled in our industry.

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Award Winner

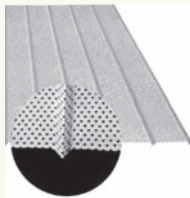


PRAIRIE VIEW A&M, SCHOOL OF ENGINEERING
Prairie View, TX

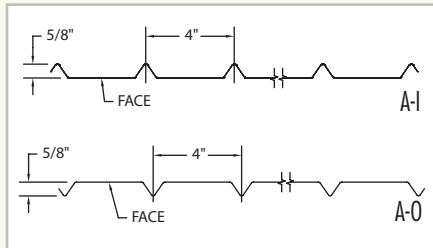


MONTELEONE JR. HIGH
Mandeville, LA

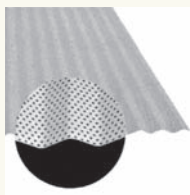
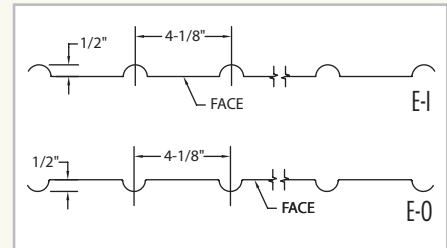
CORRUGATION PATTERNS



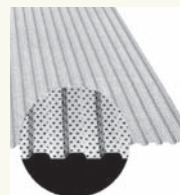
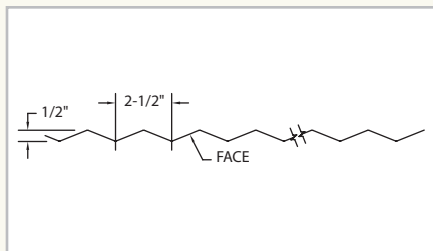
PATTERN A



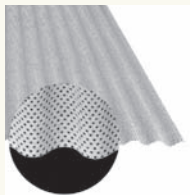
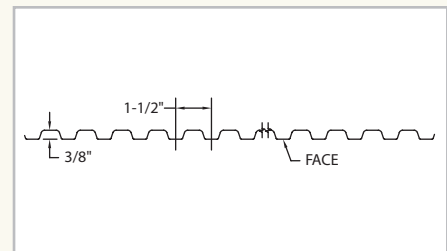
PATTERN E



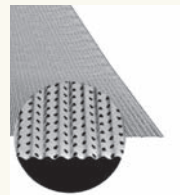
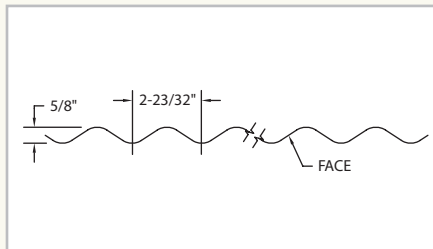
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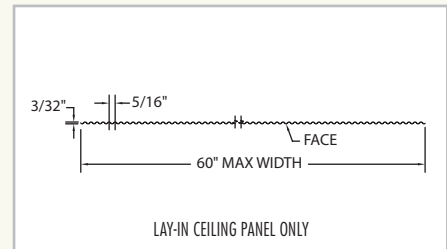
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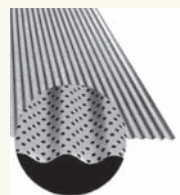
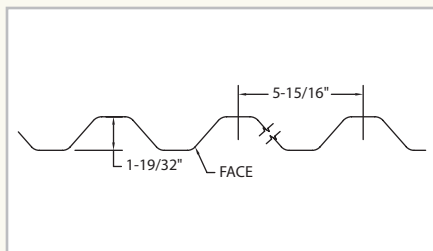
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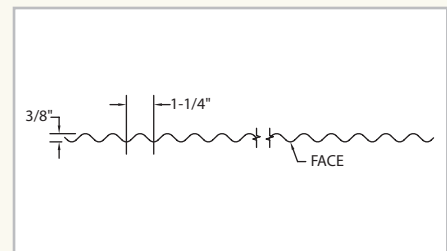
PATTERN H



PATTERN D



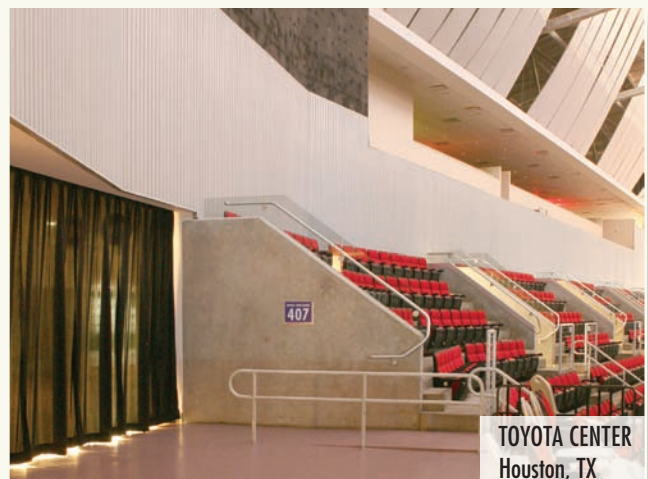
PATTERN J



Standard Perforation Pattern is 0.125" (1/8") diameter holes on 0.328" (21/64") staggered centers; 13.2% open area.
 Custom Perforation Patterns are available. See our website for additional panel data.

PANEL STANDARDS						
PATTERN	MAX. LENGTH	ALUMINUM THICKNESS		STEEL GAUGE		
		.020"	.032"	26G	24G	22G
A	120"	✓	✓	✓		
B	120"	✓	✓	✓	✓	✓
C	144"	✓	✓	✓	✓	✓
D	120"	✓	✓	✓	✓	✓
E	120"	✓	✓	✓	✓	
F	144"	✓	✓	✓	✓	
H	24"	✓	✓	✓	✓	
J	144"	✓	✓	✓	✓	✓

*Call factory for dimensional limitations.


 TOYOTA CENTER
 Houston, TX

ACOUSTICAL WALL SOLUTIONS

METAL ACOUSTICAL WALL PANEL SYSTEMS

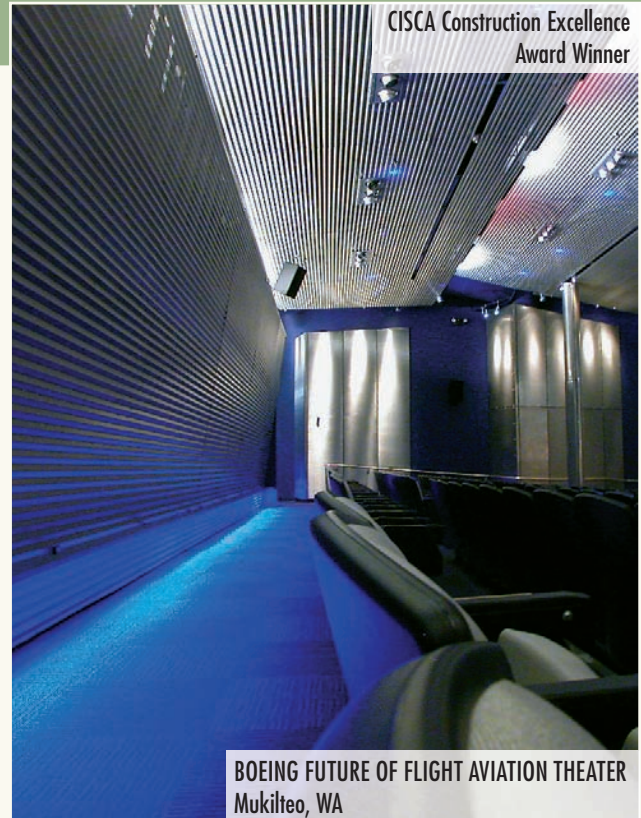
ALPRO® designs and manufactures metal acoustical wall panel systems for field assembly that provide a wall covering that is decorative, functional, and durable. Wall panels, trim components, and exposed fasteners all have a matching powder coat finish, creating a uniform appearance.

SYSTEM DESCRIPTION

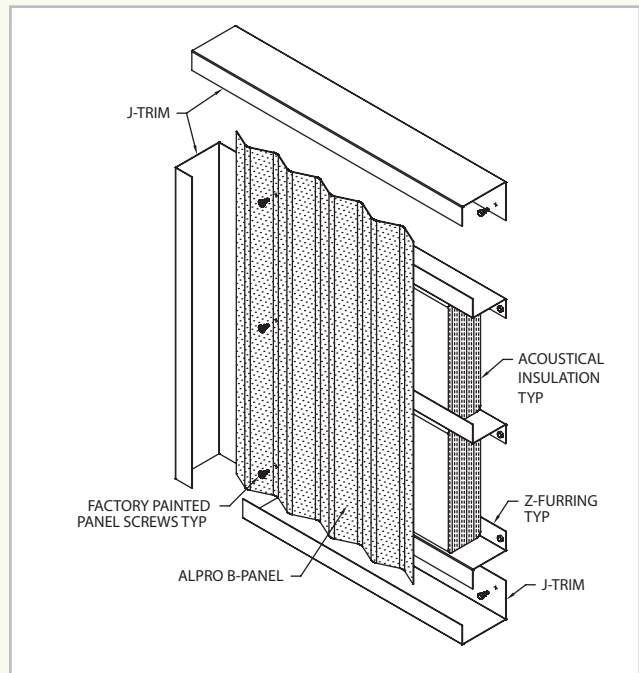
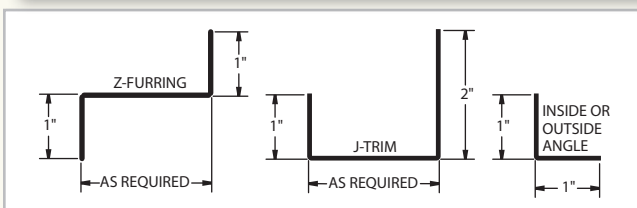
- Perforated metal wall panels in 9 corrugation patterns: A-I; A-O; B; C; D; E-I; E-O; F; and J
- “Z” furring strips typically installed on 24” centers
- Custom fit perimeter trims
- Sound absorbing material encapsulated in black, white, or clear PE or PVC
- Factory painted screws for face attachment

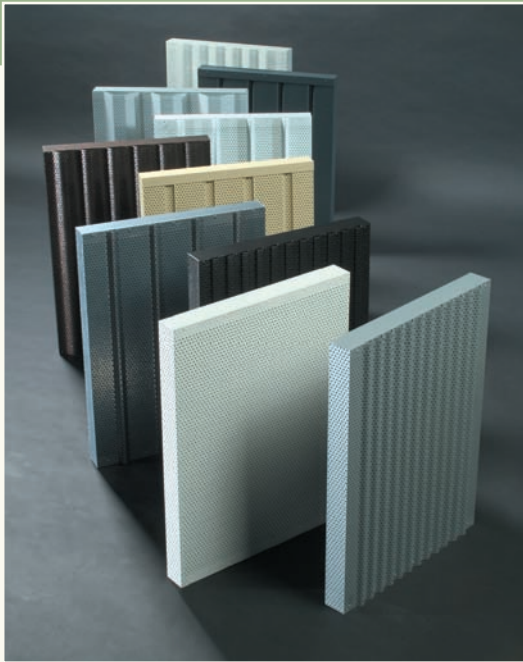
ACOUSTICAL PERFORMANCE

ALPRO acoustical wall systems achieve NRC test ratings to 1.00 (ASTM C-423). Acoustical performance varies when using sound control media having different thicknesses, densities, and encapsulating materials.



Wall Applications	Acoustical Pad		Encapsulating Material	Mounting Type	Frequency					NRC Rating	
	Density	Thickness			125 Hz	250 Hz	500 Hz	1 KHz	2 KHz		4 KHz
	1.5#	2 Inch			0.27	0.86	1.18	1.06	0.93		0.75
			Clear PVC	A (Flush)	0.27	0.86	1.18	1.06	0.93	0.75	1.00





METAL ACOUSTICAL WALL BAFFLES

ALPRO's acoustical wall baffles are factory assembled modular units, ideally suited for renovation and retrofit applications, as well as new construction. Wall baffles are commonly secured to the wall using flush mounts. Offset mounts may be used to improve absorption of intrusive noise and reduce reverberation time.

CONSTRUCTION

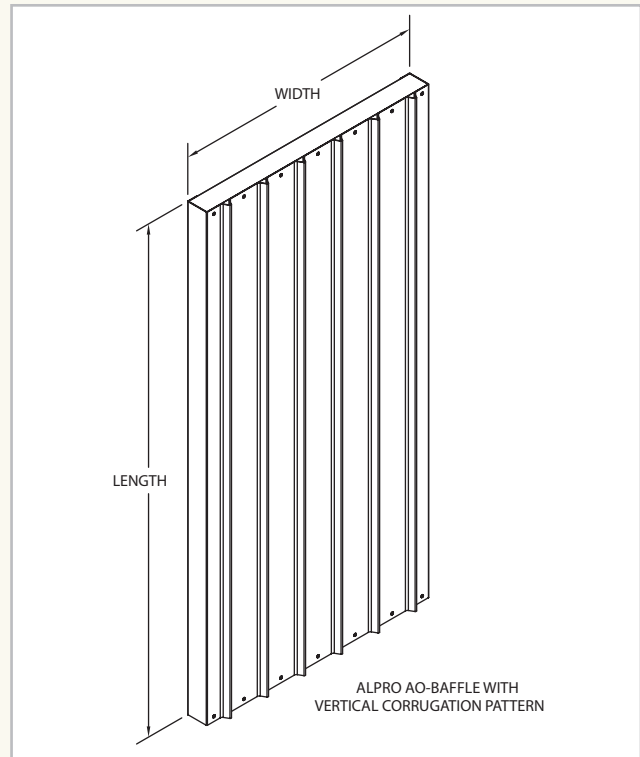
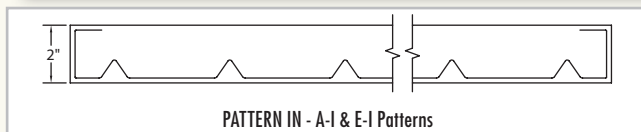
- Perforated metal skins may be corrugated or flat
- Standard structural metal frames are 2" thick
- Acoustical media is 2" thick, 1.5# density fiberglass encapsulated in black, white, or clear PE or PVC
- High performance powder coat finish
- Baffles ship complete with appropriate mounting hardware

ACOUSTICAL PERFORMANCE

ALPRO modular wall baffles produced NRC test ratings to 1.15 (ASTM C-423).

Wall Baffle Applications	Acoustical Pad		Encapsulating Material	Mounting Type	Frequency						NRC Rating
	Density	Thickness			125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	
	1.5#	2 Inch			Clear PVC	D-100 (4" Offset)	0.86	1.02	1.00	1.08	
1.5#	2 Inch	Clear PVC	A (Flush)	0.27	0.86	1.18	1.06	0.93	0.75	1.00	

TYPICAL BAFFLE PROFILES



ACOUSTICAL CEILING SOLUTIONS

METAL ACOUSTICAL PANEL CEILING SYSTEMS

ALPRO® acoustical ceiling systems provide attractive and effective noise reduction solutions. ALPRO furnishes perforated metal panels that are easily face attached to our extruded aluminum suspension grids.

SYSTEM DESCRIPTION

- Perforated metal ceiling panels in 9 corrugation patterns: A-I; A-O; B; C; D; E-I; E-O; F; J
- Extruded aluminum suspension grid systems
- Perimeter trims
- Sound absorbing material encapsulated in black, white, or clear PE or PVC
- Factory painted screws for face attachment of panels

ACOUSTICAL PERFORMANCE

ALPRO acoustical ceiling systems achieve NRC test ratings to 1.00 (ASTM C-423). Acoustical performance varies when using sound control media having different thicknesses, densities, and encapsulating materials.

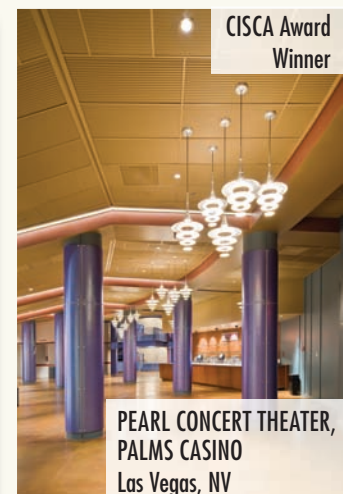
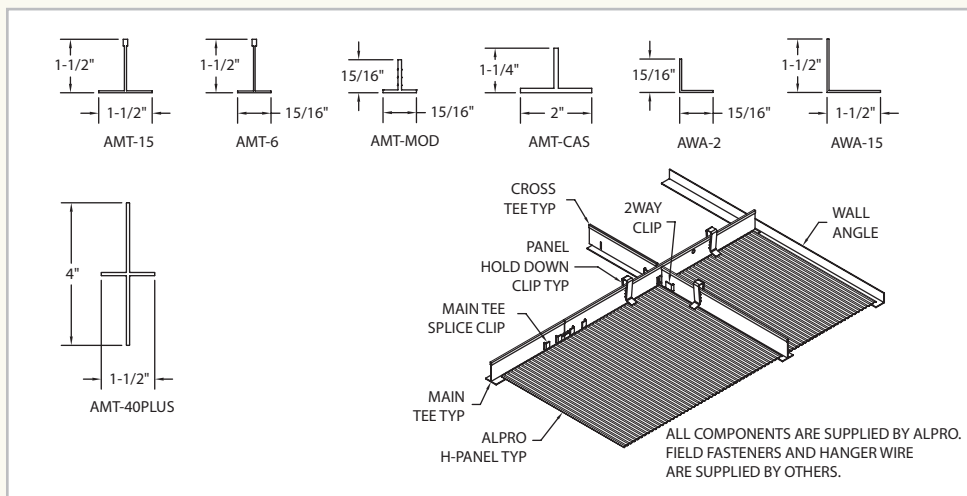


PRINCETON UNIVERSITY,
FRIST BUILDING
Princeton, NJ

LAY-IN METAL ACOUSTICAL PANEL CEILING SYSTEMS

ALPRO lay-in metal acoustical ceiling panels are an affordable, functional, and aesthetically appealing alternative to composite acoustical panels. Lay-in metal panels provide a permanent, low maintenance ceiling surface offering acoustical values that are superior to panels made of other materials. Choose from 9 corrugations: A-I; A-O; B; C; E-I; E-O; F; J; including ALPRO's exclusive "H" pattern lay-in panel.

Ceiling Applications	Acoustical Pad		Encapsulating Material	Mounting Type	Frequency					NRC Rating	
	Density	Thickness			125 Hz	250 Hz	500 Hz	1 KHz	2 KHz		4 KHz
	1.5#	2 Inch			Clear PVC	E-400	0.86	1.02	1.00		1.08



CISCA Award
Winner

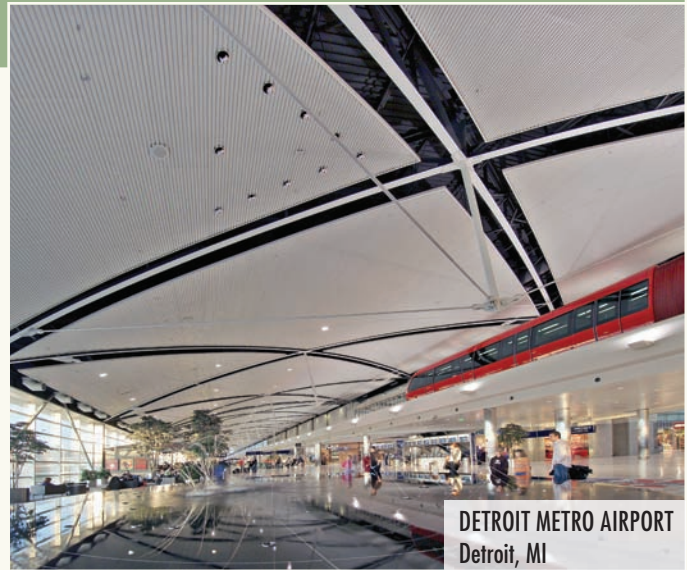
PEARL CONCERT THEATER,
PALMS CASINO
Las Vegas, NV

CUSTOM DESIGNED SYSTEMS

ALPRO custom metal ceiling and wall systems are fully engineered and combine decorative expression with optimal acoustical performance.

- Concave, convex, sloped, undulating, or flat configurations
- Corrugated aluminum or steel panels
- Sound absorbing material
- Extruded aluminum suspension components
- Factory fabricated perimeter trims
- Lighting, Air Distribution, and FlexHead^{®1} sprinklers are among the features that may be integrated.

With ALPRO as your **single source provider**, you are assured of perfect fit and finish, and flawless color match of all components.



DETROIT METRO AIRPORT
 Detroit, MI



CARLSON HIGH SCHOOL
 Gibraltar, MI



FORT WORTH CONVENTION CENTER
 Fort Worth, TX



IRON HILL BREWERY & RESTAURANT
 Lancaster, PA



KOHL'S
 Rosenberg, TX

ACOUSTICAL CEILING BAFFLES

ALPRO's acoustical ceiling baffles are commonly used in open plenum spaces to provide effective acoustical performance and aesthetic interest. Baffles may be installed vertically or suspended horizontally to create a cloud effect.

CONSTRUCTION

- Perforated metal skins may be corrugated or flat
- Standard structural metal frames are 2" thick
- Acoustical media is 2" thick, 1.5# density fiberglass encapsulated in black, white, or clear PE or PVC
- High performance powder coat finish
- Baffles ship complete with appropriate mounting hardware

ACOUSTICAL PERFORMANCE

ALPRO modular ceiling baffles produced NRC test ratings to 1.15 (ASTM C-423).



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McCARRAN INTERNATIONAL AIRPORT,
CONSOLIDATED CAR RENTAL FACILITY
Las Vegas, NV



CISCA Award
Winner

LOUISIANA IMMERSIVE TECHNOLOGY ENTERPRISE
Lafayette, LA



LANCASTER HIGH SCHOOL, BAND ROOM
Lancaster, NY

GREEN BY DESIGN

- LEED^{®2} credits available
- 96% recycled aluminum coil
 - 48% pre-consumer content
 - 48% post consumer content
- 57% - 87% recycled steel coil
 - 7% - 14% pre-consumer content
 - 50% - 73% post consumer content
- In-House Finishes
 - Biodegradable pre-treatment (No phosphates)
 - No hazardous waste
 - No VOC's
 - No heavy metals
- Reference our ECO•Solutions brochure for more information

¹ FlexHead[®] is a registered trademark of FlexHead Industries.

² LEED[®] is a registered trademark of the U.S. Green Building Council.

ALPRO[®]
ACOUSTICAL SYSTEMS

5023 HAZEL JONES ROAD, BOSSIER CITY, LA 71111

888.733.3836

800.877.8746 FAX

SALES@ALPROACOUSTICS.COM

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