Memtech Acoustics

SONEX® Pyramid Panels
Product Information



SONEX® Pyramid Panels provide optimal acoustic control across all sound frequencies with noise reduction coefficient (NRC) ratings ranging from 0.75 to 1.05. Extended pyramidal shapes significantly increase each panel's surface area, further enhancing sound absorption. SONEX Pyramid Panels are made from WILLTEC™ foam. The panels are typically used for direct-apply, glue-up wall or ceiling panel applications. SONEX Pyramid is also suitable for use as a decorative lay-in panel for suspended grid applications.

>> Advantages

- Light-weight, fiber-free, open-cell WILLTEC expanded melamine foam panels quickly adhere to most substrates using acouSTIC™ adhesives
- Primarily produced as square 24" x 24" panel sizes
- Standard, premium and custom color water-based acoustic coating options

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SONEX® Pyramid Panels
Product Information

Material
- Made from smooth, open-cell, natural light-grey or white WILLTEC™ expanded melamine foam
- Standard water-based acoustic coating options in white, light, medium or dark greys, black and other premium or custom color options

Size
- Standard panel size: square 24" x 24" (610 x 610 mm)
- Standard pyramid thickness 2", 3", 4" (51, 76, 102 mm) as well as other custom 6", 8" and 12" (152, 203 and 305 mm)

Applications
- Direct apply glue-up wall or ceiling panel installations
- Mixed suspended lay-in ceiling panel applications using either 9/16" or 15/16" (14 or 24 mm) grid
- Modern office and retail spaces
- Lecture halls and classrooms
- Restaurants and cafeterias
- Recreational facilities
- Recording studios and music venues
- Showrooms and museum displays
- Machine rooms and manufacturing areas

Direct-Apply, Glue-up Panel Installations
- Use clean, thin white cotton gloves to handle panels
- Cut acouSTIC™ adhesive cartridge tip to produce ¼ inch (6.4 mm)-diameter bead
- Run a continuous bead of adhesive around the panel's perimeter, approximately 1.5 inch (38 mm) from edges, then apply intermittent beads from opposite corners through the center of the panel creating an X
- Press panel firmly into place and smooth evenly across it to ensure a strong, lasting bond; adhesive tack should be immediate
- Panels can be cut to fit on-site
- Please consult Memtech Acoustics for your specific project requirements

Suspended-Ceiling Grid Applications
- SONEX Pyramid 24" x 24" (610 x 610 mm) panels can be produced to suit 9/16"or 15/16" suspended grids
- Intended to be used as full-size panels only; not suited for cut-to-fit conditions
- Please consult Memtech Acoustics for your specific project requirements



Physical Data—WILLTEC foam

Material	Open-cell melamine-based foam
Density	0.5 to 0.7 lbs./cubic ft. (ASTM D3574-77)
Long-Term Service Temperature	302°F (150°C)
Flame Spread and Smoke Density	Passes Class A per ASTM E 84 (all finishes) Passes CAN ULCS-102
Microbial Growth	Passes UL 181, section 11
Fungus Resistance	Rating 0 per ASTM G21
Finishes	Natural (white and light grey), water-based acoustic coated (standard, premium and custom colors)

Sound Absorption

Finishes	Thickness	Coefficient per ASTM C423-90a							
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Type
Natural (white and light grey)	2" (51 mm)	0.07	0.25	0.60	0.94	0.97	1.08	0.70	B
	3" (76 mm)	0.09	0.37	0.81	1.01	1.03	1.07	0.80	B
	4" (102 mm)	0.18	0.44	0.96	1.14	1.18	1.19	0.95	B
Water-based acoustic coated (standard, premium and custom colors)	2" (51 mm)	0.18	0.44	0.96	1.14	1.18	1.19	0.95	B
	3" (76 mm)	0.13	0.85	1.25	1.22	1.13	1.14	1.10	A

>> Other Products

- Direct-Apply Ceiling and Wall Panels
- Suspended Ceiling Clouds and Baffles
- Suspended Grid Lay-in Panels
- Barriers, Foam and Composites

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