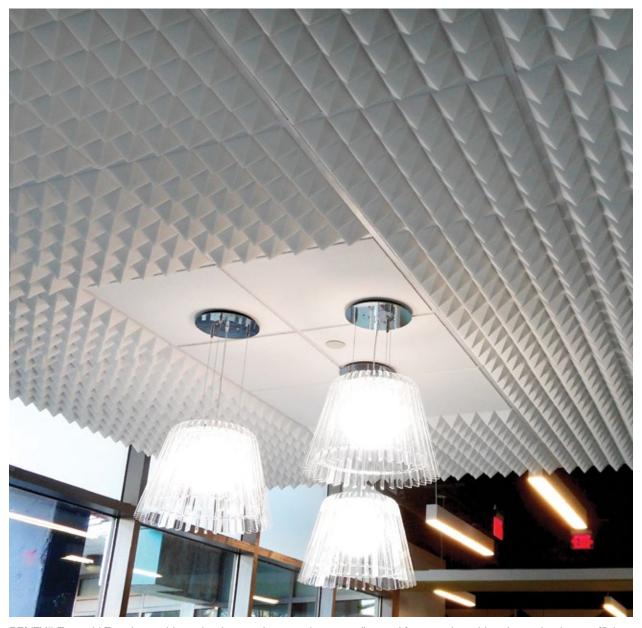


SONEX® Pyramid Panels

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, which is Class A fire-rated according to ASTM E84. 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 acouSTICTM adhesives
- Primarily produced as square 24" x 24" panel sizes
- Standard, premium and custom color water-based acoustic coating options

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Product Information

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 16 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

Material

- Made from smooth, open-cell, natural light-grey or white willtec® expanded melamine foam
- Standard water-based acoustic coating options in white, ivory, beige, light blue, 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" (50, 76, 102 mm) as well as other custom 6", 8" and 12" (153, 203 and 305 mm)

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

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



Physical Data—willtec® foam

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Material	Open-cell melamine-based foam				
Density	0.5 to 0.7 lbs./cubic ft. (ASTM D3574-77)				
Long-Term Service Temperature	302° F				
Fire Resistance	Class 1 per ASTM E 84 Meets UL 1715 (willtec natural) CAN ULCS-102				
Flame Spread (ASTM E 84)	Natural: 5 Water-based acoustic coated: 15 CAN ULCS-102				
Smoke Density (ASTM E 84)	Natural: 50 Water-based acoustic coated: 100				
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

	Thick. Coefficient per ASTM C423-90a								
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Туре
Natural (white and grey)	2"	0.07	0.25	0.60	0.94	0.97	1.08	0.70	В
	3″	0.09	0.37	0.81	1.01	1.03	1.07	0.80	В
	4"	0.18	0.44	0.96	1.14	1.18	1.19	0.95	В
Water-based acoustic coated (standard, premium and custom colors)	2"	0.18	0.44	0.96	1.14	1.18	1.19	0.95	В
	3"	0.13	0.85	1.25	1.22	1.13	1.14	1.10	Α