



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 acouSTIC™ adhesives
- Primarily produced as square 24" x 24" panel sizes
- Standard, premium and custom color water-based acoustic coating options

### 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

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

Finishes	Thick.	Coefficient per ASTM C423-90a							
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Type
Natural (white and grey)	2"	0.07	0.25	0.60	0.94	0.97	1.08	0.70	B
	3"	0.09	0.37	0.81	1.01	1.03	1.07	0.80	B
	4"	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"	0.18	0.44	0.96	1.14	1.18	1.19	0.95	B
	3"	0.13	0.85	1.25	1.22	1.13	1.14	1.10	A