

SONEX® Mini Panels

Product Information



Material

- Made from open-cell, natural light grey or white WILLTEC™ expanded melamine foam
- Standard water-based acoustic coating colors in arctic white, ivory, beige, light blue, light, medium or dark grey, black and other premium or custom options
- Omni-directional pattern, square-edge panels standard; optional 15-, 22.5-, 30- and 45-degree bevel edges

Size SONEX Mini

- Panel sizes: 24" x 48" (610 x 1219 mm) and custom
- Thicknesses: 1" or 1-1/2" (25 or 38 mm) and custom

Application

- Machine enclosures or air vents
- Applications requiring thinner panels

Direct-Apply, Glue-up Installation

- Use clean, thin, white, cotton gloves to handle panels
- Cut acouSTIC™ adhesive cartridge tip to produce 1/4" (6 mm)-diameter bead
- Run a continuous bead of adhesive around the panel's perimeter, approximately 1-1/2" (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
- Please consult pinta acoustic with any questions prior to your specific project start

SONEX® Mini Panels provide excellent sound absorption, especially in environments requiring high-frequency noise control. Made with lightweight WILLTEC™ foam, SONEX Mini Panels are an ideal choice for use in machine enclosures and other confined spaces. Panels can withstand constant temperatures above 300°F (149°C) and will char, but not ignite, at temperatures above 1100°F (593°C). WILLTEC natural meets the corner burn test UL1715. Panels can be adhered to most substrates using pinta acoustic PA-02 water-base or PA-04 neutral-cure silicone adhesives.

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 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 coating (standard, premium and custom colors)

Sound Absorption

Finish	Thickness	Coefficients per ASTM C423-90a							Mounting Type
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	
Natural (white and light grey)	1" (15 mm)	0.11	0.17	0.40	0.72	0.79	0.91	0.50	A
	1-1/2" (38 mm)	0.14	0.21	0.61	0.80	0.89	0.92	0.65	A
Water-based acoustic coated	1" (15 mm)	0.00	0.26	1.01	0.82	0.68	0.60	0.70	A

>> Advantages

- Smaller convoluted surface pattern
- Excellent acoustic absorption across all frequencies
- Lightweight panels are easily cut to fit on-site
- Ideal for machine enclosures and other applications requiring thinner panels

2601 49th Avenue North, Suite 400
 Minneapolis, MN 55430
 +1 612-355-4200
 1-800-662-0032
 sales@pinta-acoustic.com
 www.pinta-acoustic.com