Memtech Acoustics

SONEX® One Panels

Product Information



Omni-directional, deeper-sculpted surface pattern than SONEX® Valueline, SONEX One Panels will also produce interesting, ever-changing shadow and light play effects about direct-apply wall and ceiling applications. These panels provide superior sound absorption within most any interior space at affordable prices. SONEX One continuous-bevel edge panels are made from lightweight, non-fibrous open-cell expanded melamine WILLTEC™ foam and are readily available in a variety of standard and custom panel sizes, thicknesses and water-base acoustic finishes. acouSTIC PA-02 water-base and PA-04 neutral-cure silicone adhesives adhere panels to most substrates.

>> Advantages

- Excellent acoustic absorption across all sound frequencies; diminishes high noise levels and reverberation within demanding interior environments
- Naturally resistant to mold, fungus and bacteria growth, panels can withstand high heat and humidity of indoor swimming pools
- Lightweight, panels can be easily cut to fit

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Product Information

Material

- Made from open-cell, natural light grey or white WILLTEC™ expanded melamine foam
- Standard water-based acoustic coating color options in arctic white, ivory, beige, light blue, light, medium or dark grey. Black and other premium or custom options are available; panels coated on one side and all edges standard
- Non-repeating, omni-directional sculpted-pattern panels with continuous 45-degree bevel edges standard; optional 15-, 22.5- and 30-degree bevel edge options available

Sizes

- Panels: 24" x 48" (610 x 1219 mm) dimension
- Thickness: 2" or 3" (51 or 76 mm) thickness

Applications

- Retail and boutique stores
- Modern offices, classrooms and libraries
- Multi-purpose cafeterias and gymnasiums
- Art centers, museums and display showrooms
- Restaurants, performance and entertainment venues
- Industrial manufacturing, production and assembly areas
- Indoor swimming pools, fitness centers and spas

Direct-Apply, Glue-up Installation to Smooth Substrates

- 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" (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 Memtech Acoustics with any questions prior to your specific project application start



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 coating (standard, premium and custom colors)

Sound Absorption

Finish	Thickness	Test ASTM C423-90a							
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
Natural (white and light grey)	2" (51 mm)	0.13	0.29	0.75	1.00	0.97	1.07	0.75	A
	3" (76 mm)	0.09	0.68	1.20	1.18	1.12	1.05	1.05	A
Water-based acoustic coated (standard, premium and custom colors)	2" (51 mm)	0.13	0.41	1.02	1.18	1.18	1.13	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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