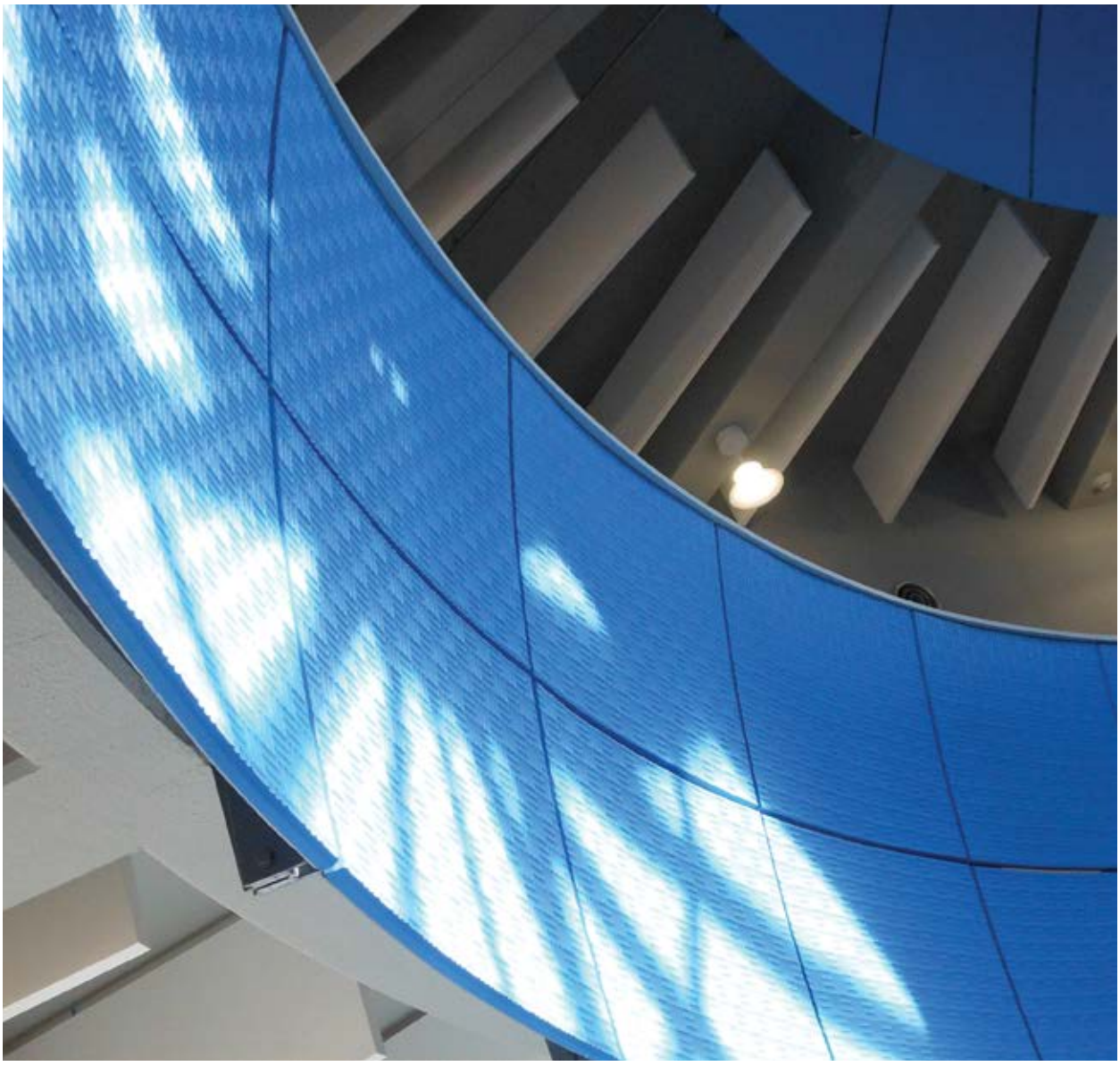
Memtech Acoustics

# SONEX® Valueline Panels

## Product Information



SONEX® Valueline Panels have an omni-directional, softly-sculpted surface pattern that produces subtle, ever-changing shadow and light play effects. The panels direct apply to walls and ceilings and provide superior sound absorption at very affordable prices. Made from lightweight, non-fibrous, open-cell expanded melamine WILLTEC™ foam, SONEX Valueline Panels are readily available in a variety of standard and custom panel sizes, thicknesses and water-base 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; lightweight, non-fibrous WILLTEC panels quickly adhere to most substrates and are easily cut to fit onsite
- Naturally resistant to mold, fungus and bacteria growth, panels can withstand high heat and humidity of indoor swimming pools

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# SONEX® Valueline Panels

## 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 pattern, square-edge panels standard; optional 15, 22.5, 30 and 45-degree bevel edges also available

### Size

- Typical panel size: 24"x 48" (610 x 1219 mm) and custom sizes and shapes up to 48" x 96" (1219 x 2438 mm)
- Typical thickness options: 1-1/2", 1-7/8" or 2-1/2" (38, 48 or 64 mm) and custom

### Applications

- Modern office and conference spaces
- Retail and boutique stores
- Educational classrooms and libraries
- Art centers, museums and display showrooms
- Restaurants and cafeterias
- 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 1/4 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
- 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<br>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) |
| Light Reflectance Value | 0.87, arctic white |

### Sound Absorption

| Finish | Thickness | Coefficients per ASTM C423-90a | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | NRC | Type |
| Natural (white and light grey) | 1-1/2" (38 mm) | 0.08 | 0.29 | 0.73 | 0.94 | 0.97 | 0.89 | 0.75 | B |
| | 1-7/8" (48 mm) | 0.15 | 0.35 | 0.82 | 1.01 | 1.02 | 1.05 | 0.80 | A |
| | 2-1/2" (65 mm) | 0.19 | 0.62 | 1.15 | 1.21 | 1.14 | 1.20 | 1.05 | B |
| 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 |
| colortec (charcoal) | 2" (51 mm) | 0.05 | 0.31 | 0.81 | 0.96 | 0.97 | 0.97 | 0.75 | 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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