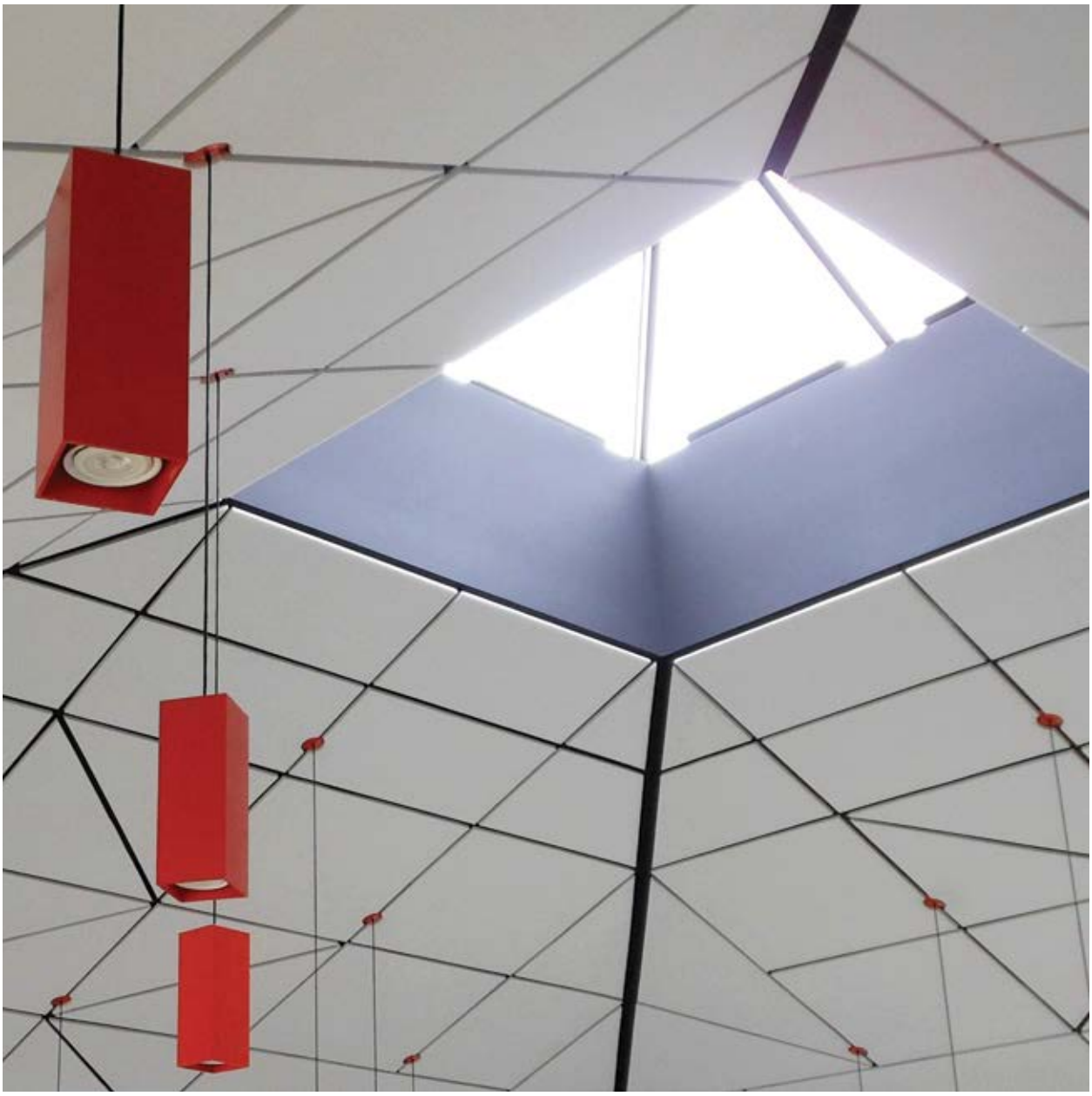
Memtech Acoustics

WILLTEC™ Flat Sheets

Product Information



Rethink direct-apply, glue-up wall and ceiling panel applications. Lightweight, smooth-surface WILLTEC™ Flat Sheets are readily available in a variety of shapes, sizes and thicknesses with square- or bevel-edge options. WILLTEC Flat Sheet panels provide superior sound absorption and limitless design possibilities at economical costs.

>> Advantages

- Quick, efficient and low-cost applications to plan and work
- 30- to 50-percent panel coverage is typically all that's necessary
- WILLTEC panels can easily be cut to fit on-site
- acouSTIC™ adhesive adheres to most substrates
- Standard, premium and custom water-based coatings

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WILLTEC™ Flat Sheets

Product Information

WILLTEC Flat Sheet Material

- Made from smooth, natural light grey or white open-cell, expanded melamine foam
- Square-cut 90- or 15-, 22.5-, 30- and 45-degree bevel edge options
- Standard water-based acoustic coating in white, light, medium or dark greys, black and other premium and custom color options

Sizes

- Panel Sizes: various square and rectangular shapes up to 48 x 96 inches (1219 to 2438 mm) as well as circular, triangular, trapezoidal and custom
- Various Thicknesses: 1 to 4 inches (25 to 102 mm) and custom

Applications

- Smooth, clean and level, dust- and oil-free natural or painted drywall, concrete, plywood or metal substrates
- Best suited for small or large, open flat, sloped or curved ceilings; custom-size bay sections, square or rectilinear waffle slab fit-outs
- Open-plan office, educational, dining and retail environments, etc., anywhere acoustic comfort is desired

Assembly

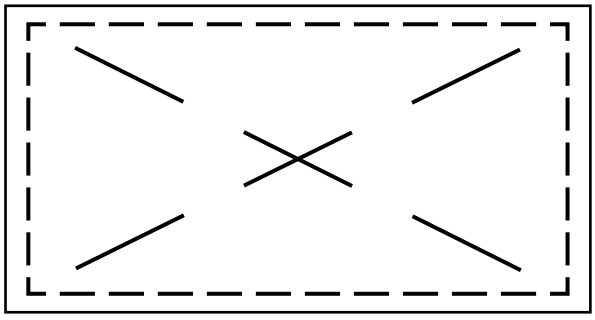
- Use clean, thin white cotton gloves to handle panels
- Cut acouSTIC adhesive cartridge tip to produce 1/4 inch (6.4 mm)-diameter bead
- Run a continuous bead of adhesive around the panel's perimeter, approximately 1.5 inch (38 mm) from edges, then apply intermittent beads from opposite corners through 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

Physical Data—WILLTEC foam

Material	Open-cell melamine-based foam
Density	0.5 to 0.7 lbs./cu. ft. (0.014 to 0.020), 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
Fungus Resistance	Rating 0 per ASTM G21
Microbial Growth	Passes UL 181, section 11
Finishes	Natural (white and light grey) or water-based acoustic coated (standard, premium and custom colors)

Sound Absorption

Finish	Thickness	Coefficients per ASTM C423-90a							
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC	Mounting Type
Natural (white and light grey)	1"	0.11	0.15	0.50	0.84	0.92	0.93	0.60	A
	2"	0.15	0.52	0.98	1.13	1.00	1.11	0.90	A
	3"	0.31	0.89	1.20	1.17	1.03	1.01	1.05	A
Water-based acoustic coated (standard, premium and custom colors)	1"	0.08	0.16	0.53	0.86	0.92	0.98	0.60	A
	2"	0.21	0.50	1.03	1.14	1.04	1.05	0.95	A
	3"	0.32	0.93	1.12	1.15	1.03	1.03	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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