

A close-up photograph of acoustic insulation panels, showing their geometric, interlocking structure. The panels are light-colored and have a textured surface. The perspective is from a low angle, looking up at the panels, which creates a sense of depth and repetition.

ISOTEX is a high-performance, open-cell melamine-based acoustic insulation designed for superior sound absorption and ease of installation. This specialty product features the lowest carbon emissions in the acoustic market.

Key Benefits

- **Exceptional Flexibility:** The insulation's elastic nature allows for seamless application on flat, sloped, or curved surfaces.
- **Versatile Dimensions:** Available in panels up to 1200mm x 2400mm (48-inches x 96-inches).
- **Thickness Range:** Standard thicknesses from 25mm to 102mm (1-inch to 4-inches).
- **Aesthetic Options:** Available in three core colors: Gray, White, and Black.
- **Custom Profiles:** Can be fabricated as baffles, blades, or in geometric shapes (cylindrical, wave, or pyramid) with optional beveled edges (90°, 15°, 22.5°, 30° and 45° bevels).

Material

- Made of open-cell expanded melamine insulation, smooth, natural light gray or white
- Square cut with 90°, 15°, 22.5°, 30°, and 45° bevels
- Standard water-based acoustic coating, available in white, light gray, medium or dark gray, and black

Dimensions

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

Applications

ISOTEX is ideal for offices, schools, restaurants, and retail environments where acoustic comfort is a priority. It can be applied to smooth, clean, and level substrates, including drywall (natural or painted), concrete, plywood and Metal.

Assembly & Installation Instructions

- Handling: Use clean, thin white cotton gloves to handle panels and prevent surface contamination.
- Preparation: Cut the tip of the adhesive cartridge or the nozzle of a fillable tube when utilizing TexNov adhesive to achieve a 6.4 mm (1/4- inch) diameter bead.
- Adhesive Application: Apply a continuous bead around the panel perimeter, roughly 38mm (1.5- inches) from the edges. Apply intermittent beads from opposite corners through the center to form an "X". For adhesive material please contact TexNov for approved product.
- Bonding: Press the panel firmly and smooth it evenly against the substrate to ensure an immediate, lasting bond.

Sound Absorption

Thickness	Sound Absorption Coefficients according to ASTM C423-90a						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	NRC
1"	0,11	0,15	0,50	0,84	0,92	0,93	0,60
2"	0,15	0,52	0,98	1,13	1,00	1,11	0,90
3"	0,31	0,89	1,20	1,17	1,03	1,01	1,05

Technical Data



Open-cell melamine-based insulation



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)



Passes Class A per ASTM E 84
Compliant with CAN ULCS-102 standard



Rating 0 per ASTM G21



Passes UL 181, section 11



Natural finishes (white, light grey and black)



Certified compliant with the DEP

