Memtech Acoustics

CONTOUR® Ceiling and Wall Tiles

Product Information



Create subtle or dramatic design affects throughout small- or large-scale, direct-apply, glue-up and suspended grid ceiling applications with CONTOUR® acoustic panels. These exceptional sound absorbers are made from lightweight, non-fibrous, open-cell expanded melamine WILLTEC™ foam and are available in a variety of patterns, panel thicknesses and water-base acoustic color finishes. CONTOUR patterns can be used separately or intermixed together to create further visual interest on a ceiling, unlike traditional panel types.

>> Advantages

- Distinctive standard and custom panel pattern design and color options
- Exceptional acoustical performance; NRC rated as much as 1.20; CAC-rated at 34
- Primarily produced as square 24" x 24" (610 x 610 mm) panel sizes to suit either direct-apply, glue-up or suspended grid applications

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Product Information

Material

CONTOUR® panels are made from lightweight, open-cell, non-fibrous, expanded melamine WILLTEC™ foam that provides excellent acoustical control. CONTOUR bevel-edge panels feature specially formulated, water-based acoustic color coatings in standard, premium and custom colors. Panels intended for suspended grid applications are produced with factory laminated, sag-resistant backerboards.

Sizes

- Direct-apply, glue-up panels 24" square (610 x 610 mm) x 1" or 1-3/4" (25 or 44 mm) panel thicknesses
- Suspended 15/16" (24 mm) grid lay-in panels 23" (584 mm) square x 1-3/8" or 2-1/8" (35 or 54 mm) panel thicknesses
- Suspended 9/16" grid lay-in panels 23-3/8" square (593 x 593 mm) x 1-3/8" or 2-1/8" (35 or 54 mm) panel thicknesses

Applications

- Modern offices, corporate and medical
- Lobby, retail and showroom spaces
- Restaurant and entertainment facilities
- Telecommunication centers and classrooms
- Lecture, exhibit and dance halls
- Panel pattern designs and thicknesses can be intermixed to create a frieze surround, etc.

Direct-Apply, Glue-Up Panel Installations

- Use clean, thin, white, cotton gloves to handle panels
- Cut acouSTIC™ adhesive cartridge tip to produce 1/4"-(6.4 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
- Panels can be easily cut to fit onsite; edge sealant is available
- Please consult Memtech Acoustics with any questions prior to the start of your specific project



Standard patterns are offered. See pattern information sheet for more information. Custom designs and colors are also available. (Minimum panel quantities may be required.)

Physical Data—WILLTEC™ foam

Material	Open-cell, melamine-based foam
Density	0.5 to 0.7 lbs./cu. 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 or light grey) or water-based acoustic coated (standard, premium or custom colors)

CONTOUR Tiles Sound Absorption—Adhesive Installation

Finish Thickness	Coefficients per ASTM C423-90a							
	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
Basix 1 1" (25 mm) Thick	0.12	0.24	0.59	0.89	0.96	0.99	0.65	A
Basix 2 1-3/4" (44 mm) Thick	0.21	0.48	0.93	1.09	1.09	1.04	0.90	A
All Patterns 1-3/4" (44 mm) Thick	0.16	0.28	0.71	0.96	1.00	0.99	0.75	A

Sound Absorption—Grid Installation

Finish Thickness	Coefficients per ASTM C423-90a							
	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
Basix 1 1-3/8" (34 mm) Thick	0.63	0.54	0.81	1.24	1.30	1.36	0.95	E
Basix 2 2-1/8" (54 mm) Thick	0.43	0.73	1.18	1.44	1.44	1.54	1.20	E
All Patterns 2-1/8" (54 mm) Thick	0.61	0.67	1.01	1.33	1.43	1.56	1.10	E

>> 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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