Memtech Acoustics

SQUARELINE® Metal Ceiling Tiles

Product Information



SQUARELINE® expanded metal ceiling panels produce a chic, high-tech, modish interior look at an affordable cost. Available in three standard diamond-mesh patterns with or without an acoustic backer, the panels are manufactured using up to 55 percent recycled metal and fitting within standard suspended grid systems. Dramatic back lighting and shadow effects are possible. SQUARELINE metal finishes are offered in power-coated chrome, white, black or custom. Optional 9/16-inch (14 mm)-thick WHITELINE® acoustic backer panels in smooth white fleece on one panel face and black fleece on the other side. Custom water-based acoustic coatings and printing are available to complement or contrast with expanded metal mesh.

>> Advantages

- High-quality 3D expanded metal mesh surface patterns
- Available with or without acoustic backers
- 70-percent open area mesh panels without any acoustic backer meet IBC code allowing fire sprinklers to be concealed above the ceiling elevation

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Product Information

Material

- Highest-quality galvanized, powder-coated finish directional expanded metal mesh panels
- Up to 55 percent recycled metal content
- 70 percent open area, diamond mesh standard
- Optional WHITELINE® acoustic backer panels have a WILLTEC™ core and are available in standard white and black fleece finishes; custom water-based acoustic coatings and printing options are also available

SQUARELINE® Standard Sizes

- Panel sizes: 2' x 2', 2' x 4' (610 x 610, 610 x 1219 mm)
- Flat lay-in panels standard
- Suited for either 15/16" or 9/16" (24 or 14 mm) grid work
- Custom options available

SQUARELINE Medium and SQUARELINE Ultra Sizes

- Panel sizes: 2' x 2', 2' x 4' and 4' x 4' (610 x 610, 610 x 1219 and 1219 x 1219 mm)
- Flat lay-in panels standard
- All panel sizes suited for either 15/16" or 9/16" (24 or 14 mm) grid except 4' x 4' 15/16" (1219 x 1219 24 mm) grid only
- Custom options available

Applications

- Modern interiors and retail spaces
- Lobbies, lecture halls and education facilities
- Art centers, museums and showrooms
- Night clubs and music venues
- Restaurants, theaters and cinemas
- Convention centers and sports stadiums

Installation

- Handle with clean, white, cotton gloves
- Expanded metal is directional; install panels oriented in the same direction
- Depending upon actual metal gauge thickness, cut-to-fit panels can be made using sharp aviator snips, reciprocating sawzall, orbital jig saw or oscillating multi-tool fitted with metal-cutting blades
- Optional WHITELINE acoustic backer panels are simply intended to be placed atop SQUARELINE panels on-site
- Please consult pinta acoustic with any questions prior to your specific project application



WHITELINE® 9/16" (14 mm)-Thick Panel Sound Absorption

Test ASTM C423-90a; Mounting Type E

Frequency (Hz)	Thickness 0.6 " (15 mm)
125	0.27
250	0.60
500	0.64
1000	0.80
2000	0.91
4000	1.02
NRC	0.75

Physical Data—WILLTEC Foam

Tensile Strength	8 PSI (ASTM D3574-77)
Density	0.7 lbs./cu. ft. (0.3 Kg/cu. m)
Elongation	8% (ASTM D3574-77)
Heat Conductivity	K factor = 0.24 at 50°F (10°C)
Long-Term Service Temperature	302°F (150°C)
Flame Spread and Smoke Density	Passes Class A per ASTM E 84 Passes CAN ULCS-102
Color	White/Black

>> Other Products

- Direct-Apply, Glue-up Wall and Ceiling Panels
- Suspended Grid Lay-in Panels
- Suspended Baffles and Clouds
- Barriers, Foam and Composites

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