

Memtech Acoustical, LLC

Your Source for Noise Control Solutions

Memtech Acoustical, LLC
2175 Avon Industrial Dr.
Rochester Hills, MI 48309
Phone: 248-289-1123
Toll Free: 877-606-3940
Fax: 248-289-6317

Sales@memtechacoustical.com

Product Information



www.memtechacoustical.com

Phonstop Ceiling and Wall Tiles

- Made from 100 percent recycled glass
- Exceptional acoustical properties
- Two styles: adhere to walls and ceilings or lay-in pinta or standard 15/16" ceiling grid system
- PHONSTOP Plaster provides a seamless appearance
- Can be custom colored using an acoustical coating



PHONSTOP Ceiling and Wall Tiles are made from 100 percent recycled glass, sintered to form rigid, lightweight and porous sound absorbers. PHONSTOP products have exceptional acoustical properties and are easy to install indoors or outdoors.

Physical Data

Material	100% recycled glass
Density (ASTM D1622-08)	16.79 lbs./ft ³
Fire Resistance (ASTM E 84)	Class 1
Flame Spread (ASTM E 84)	0
Smoke Density (ASTM E 84)	0
Compression Strength (ASTM D1621-04)	165 psi
Thermal Resistance (ASTM C518-04)	Effective R value 3.24

Installation

PHONSTOP V

- Adheres directly to walls or ceilings
- Roll on PHONSTOP pt17 Primer to existing substrate. Apply PHONSTOP pa81 Adhesive using 3/8" tooth trowel to the back of each tile (be careful not to get adhesive on the visible tile face)
- Create a seamless, monolithic appearance by using the square edge tile face and rolling on a layer of PHONSTOP pt17 Primer; then trowel two layers of PHONSTOP pa85 Plaster*
- Can be custom colored for interior applications using an acoustical coating*
- In outdoor, weather-exposed conditions, apply PHONSTOP Sealer for added durability

PHONSTOP E

- Lay-in pinta or any standard 15/16" ceiling grid system

Sound Absorption

Description	Frequency (Hz)						
	125	250	500	1,000	2,000	4,000	NRC
PHONSTOP V— Test ASTM C423-90a; Mounting Type A							
Thickness 2" (50 mm), adhered and coated	0.14	0.60	1.09	0.96	1.02	1.03	0.90
Thickness 2" (50 mm), adhered without space between tiles	0.16	0.63	1.15	0.91	0.98	0.99	0.90
Thickness 2" (50 mm), adhered and plastered	0.26	0.75	0.86	0.62	0.66	0.57	0.70
PHONSTOP E— Test ASTM C423-90a; Mounting Type E							
Thickness 1" (25 mm)	0.45	0.55	0.60	0.75	0.80	0.85	0.70

*Plaster and acoustical coating may only be applied by a certified applicator.

Material

PHONSTOP Ceiling and Wall Tiles are made from 100 percent recycled glass sintered to form rigid, lightweight and porous sound absorbers. Tiles are ASTM 84 Class 1 (A) fire-rated and offered for adhesive (PHONSTOP V) and lay-in ceiling grid (PHONSTOP E) applications. Other PHONSTOP products include:

- PHONSTOP pa81 Adhesive (pa81 for concrete, masonry and drywall)
- PHONSTOP pa85 Plaster (for seamless, monolithic appearance)
- PHONSTOP pt17 Primer
- PHONSTOP pt13 Sealer (for weather-exposed conditions)

Size

PHONSTOP V—adhesive applications on walls and ceilings

- 24" x 24" x 2" thickness (610 x 610 x 50 mm)
- 24" x 48" x 2" thickness (610 x 1220 x 50 mm)
- Tiles offer two edge options: One face of the tiles feature 3/8" (9 mm) chamfer beveled edges, while the reverse face has square edges.

PHONSTOP E—ceiling grid applications

- 24" x 24" x 1" thickness nominal (604 x 604 x 25 mm)
- 24" x 48" x 1" thickness nominal (604 x 1213 x 25 mm)
- Slightly beveled square edge