Memtech Acoustics

PHONSTOP™ Ceiling and Wall Panel System

Product Information







PHONSTOP™ direct-apply, glue-up wall and ceiling acoustic panels are produced from 100-percent recycled glass granules fused together to form rigid, lightweight, fiber-free sound absorbers suitable for interior and exterior applications. PHONSTOP absorbs sound energy within its open-cell, sintered glass core resulting in exceptionally high noise reduction over a broad frequency range, controlling excess sound reflection and reverberation.

>> Advantages

- Made from 100-percent recycled glass; non-combustible
- Meets indoor air-quality and LEED requirements
- Simple to install using standard tools and cutting methods
- Weather and moisture resistant
- Can be custom colored on-site using non-bridging coatings

2175 Avon Industrial Drive
Rochester Hills, MI 48309
+1 (248) 289-1123
sales@memtechacoustics.com
www.memtechacoustics.com

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Product Information

Material

ASTM E84 Class 1 (A) fire-rated PHONSTOP Wall and Ceiling Panels are made from 100-percent recycled glass sintered to form rigid, lightweight, fiber-free, porous sound absorbers. PHONSTOP is specifically intended for direct-apply, glue-up applications to concrete, masonry and drywall. PHONSTOP system products include:

- PHONSTOP pt-17 Primer
- PHONSTOP pa-81 Dry Mix Adhesive
- PHONSTOP pt-13 Sealer

Size

- 24" x 24" x 2" thickness (610 x 610 x 51 mm)
- 24" x 48" x 2" thickness (610 x 1220 x 51 mm)
- Panels are produced with a square edge on one side and a 45-degree bevel-edge chamfer opposite

Applications

- LEED accredited projects
- Education, corporate and government
- Motorway tunnels and noise barriers
- Railway tunnels and noise barriers
- Indoor swimming pools and spas
- High fire-safety areas, plant rooms
- Cooling towers, vents and substations
- Indoor and outdoor firing ranges

Physical Data

Material	100-percent recycled glass
Density (ASTM D1622-08)	16.79 lbs./ft.^{3} (269 kg/m^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
Weight	approx. 3 lbs./sq.ft. (1.36 kg/ sq.m.)

Sound Absorption

Thickness	Coefficient per ASTM C423-90a (Mounting Type A) Frequency (Hz)/Sabins						
	125	250	500	1,000	2,000	4,000	NRC
2" (51 mm), adhered and coated	0.13	0.41	0.88	1.03	1.02	1.05	0.85
2" (51 mm), adhered without space between tiles	0.16	0.63	1.15	0.91	0.98	0.99	0.90





Installation

- Adheres directly to structurally sound walls and ceilings
- Roll on PHONSTOP pt-17 liquid primer to smooth, clean and level substrates, let dry
- Add water to PHONSTOP pa-81 dry powder adhesive and mix exactly as instructed per PHONSTOP installation guide
- Apply an even scratch coat of pa-81 adhesive across panel backs using a 3/8" (9 mm) square-notched tooth trowel (be careful not to get adhesive on the visible tile face)
- Lift and press panels firmly against substrates by shifting them slightly side to side and front to back into final position to produce the best initial tack and ultimate bond
- When used outdoors, weather-exposed conditions, apply PHONSTOP pt-13 Sealer

>> 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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