## 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

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## 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

## 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
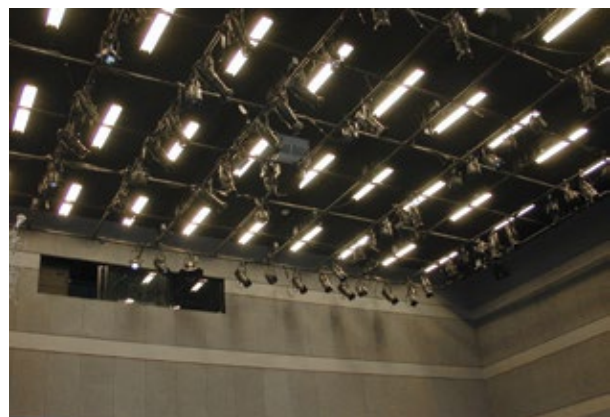- PHONSTOP pt-13 Sealer

## Size

- 24" x 24" x 2" thickness (610 x 610 x 50 mm)
- 24" x 48" x 2" thickness (610 x 1220 x 50 mm)
- Panels are produced with a square edge on one side and a 45-degree bevel-edge chamfer opposite

## 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" (50 mm), adhered and coated | 0.13 | 0.41 | 0.88 | 1.03 | 1.02 | 1.05 | 0.85 |
| 2" (50 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**

- Wall Panels
- Ceiling Tiles
- Ceiling Clouds
- Baffles
- Barriers, Foams and Composites

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