



## PG Board TAF™ (Perf.)

### Description

PG Board TAF (Perf.) is made of environmentally sustainable mineral wool insulation produced from basalt rock and slag. The resulting non-combustible insulation provides exceptional thermal and acoustic properties. The lightweight insulation board is water repellent yet vapor permeable. Also with a melt point of approximately 2150°F, it provides superior fire resistance.

The bright white facing (silver optional) reflects light to brighten and enhance garage environments which can reduce area lighting costs.

The **perforated facing** is offered for applications where incidental moisture may occur or enhanced acoustics is desired.

Panels are easily installed over concrete, metal corrugated deck and other substrates using common tools and attachments.

### Uses

PG Board TAF (Perf.) is installed to reduce energy losses and improve the comfort of occupied space above parking garage, mechanical room or other unconditioned areas. The bright white panel finish improves space lighting levels which can reduce lighting energy costs.

### Advantages

- Thermal Effectiveness - Stable R Value, 16.4 per 4" thick.
- Sound Absorption - Excellent acoustic performance.
- Fire Resistance – Faced composite Class A, 20/25 rating
- Finished Appearance - Attractive, clean and bright. Can reduce lighting energy costs.
- LEED® - Can earn LEED points across four key categories toward sustainable development.
- Ease of Application - Prefinished panels install quick and easy.
- Availability - Typically 2-6 weeks ARO

### Standard Dimensions

1.5" - 8" thick, 24" x 48" panels

Learn more at [www.fbm-spi.com](http://www.fbm-spi.com)



**PG Board TAF (Perf.)** with perforated bright white facer provides effective thermal insulation, **documented acoustic and composite fire resistance** with 20/25 Flame Spread and Smoke Development. The bright white finish can reduce overall lighting energy costs.

### Performance Compliance Data

PG Board TAF (Perf.) is produced with Roxul® stone wool insulation using a controlled lamination process that is under laboratory follow-up audits. Finished panels achieved a Class A fire rating per ASTM E-84.

**Base Board:** Semi-rigid stone wool insulation

**Maximum Service Temperature:** per ASTM C612, Type IVA, 1200°F

**Density:** Nominal 4 lb. per ASTM C303 (other densities available)

**Fire Performance:**

**Non-Combustible:** per ASTM E136, Behavior of Materials at 750°C (1382°F)

**Non-Combustible:** per CAN4 S114, Test for Non-Combustibility

**Surface Burning Characteristics:**

**Per ASTM E 84 (UL723)** Flame Spread 0, Smoke Development 0

**Per CAN/ULC S102:** Flame Spread 0, Smoke Development 0

**Thermal Resistance:** per ASTM C518 (C177)

R-value/inch @ 75°F, 4.1 hr.ft<sup>2</sup>.F/Btu

**Moisture Resistance:** ASTM C1104, Moisture Sorption by weight 0.03%

**Fungi Resistance:** per ASTM C1338, Passed

**Sound Absorption:** per ASTM C423, Type A Mounting per ASTM E795

**Coefficients at Frequencies**

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC	SAA
4" Perf.	1.10	0.76	0.64	0.74	0.75	0.58	0.70	0.71

**PSF Perf. (Polypropylene / Scrim / Foil) paper free facing:**

Reinforced bright white facer (optional silver facing)

**Mold Resistance:** per ASTM C665 / C1338

No Growth

**Light Reflectance:** per ASTM C523

85%

**Permeance:** per ASTM E96

> 10 Perm

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1650 Manheim Pike, Suite 202  
Lancaster, PA 17601-3088  
Phone: (717) 519-4044, Fax: (717) 519-4025  
Web: [www.fbm-spi.com](http://www.fbm-spi.com)  
E-mail: [fabteam@fbmsales.com](mailto:fabteam@fbmsales.com)  
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