



PG Board TAF™

Description

PG Board TAF 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. An optional perforated facing is available for applications where incidental moisture may occur or enhanced acoustics is desired (Refer to Perf datasheet for additional information).

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

Uses

PG Board TAF is installed to reduce energy losses and improve the comfort of occupied space above parking garage, mechanical room or other unconditioned space. 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



1650 Manheim Pike, Suite 202
Lancaster, PA 17601-3088
Phone: (717) 519-4044, Fax: (717) 519-4025
Web: www.fbm-spi.com
E-mail: fabteam@fbmsales.com
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PG Board TAF with bright white finish provides effective thermal insulation, acoustic performance and **documented composite fire resistance** with 20/25 Flame Spread and Smoke Development. The bright white finish can reduce overall lighting costs.

Performance Compliance Data

PG Board TAF is produced with Roxul® stone wool insulation using a controlled lamination process that is under laboratory follow-up audits. Finished panels achieved a composite 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 E 136, 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 C-518 (C177)

R-value/inch @ 75°F, 4.1 hr.ft².F/Btu

Moisture Resistance: per ASTM C 1104, Moisture Sorption, 0.03%

Fungi Resistance: per ASTM C1338, Passed

Sound Absorption: per ASTM C423,

Coefficients at Frequencies

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2"	0.26	0.68	1.14	1.13	1.06	1.07	1.00
3"	0.62	1.03	1.20	1.10	1.08	1.10	1.10
4"	1.07	1.01	1.07	1.06	1.07	1.06	1.05

PSF (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 **0.02 Perm**

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