



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 enhanced acoustic performance 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 improving the comfort of occupied space above parking garage, mechanical, electrical 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 – 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 (can achieve R Values of up to 32.8 in a single layer system).

Learn more at www.spi-co.com



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PG Board TAF (Perf.) with perforated bright white facer provides thermal insulation, documented acoustic and composite fire resistance with 20/25 Flame Spread and Smoke Development.

Performance Compliance Data

PG Board TAF (Perf.) is produced with Rockwool® stone wool insulation using a controlled lamination process under laboratory follow-up audits. Finished panels carry the listing lab mark as a composite Class A fire rated product per ASTM E-84.

Base Board: Semi-rigid stone wool insulation
Maximum Service Temperature (per ASTM C612) 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 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, Type A Mounting, ASTM E795-05

	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 (polypropylene / scrim / foil) paper free facing):
Reinforced 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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