



# Specialty Products and Insulation

## 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 perf facing is available for applications where incidental moisture may occur.

Panels are easily installed over precast or poured concrete and metal corrugated deck 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 areas. The bright white panel finish improves space lighting levels which can reduce lighting energy costs.

### Advantages

- Thermal Effectiveness - Stable R Value, 12.3 per 3" thick.
- Sound Absorption - Excellent acoustic performance.
- Fire Resistance – Faced composite Class A fire rated
- 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 4-6 weeks ARO

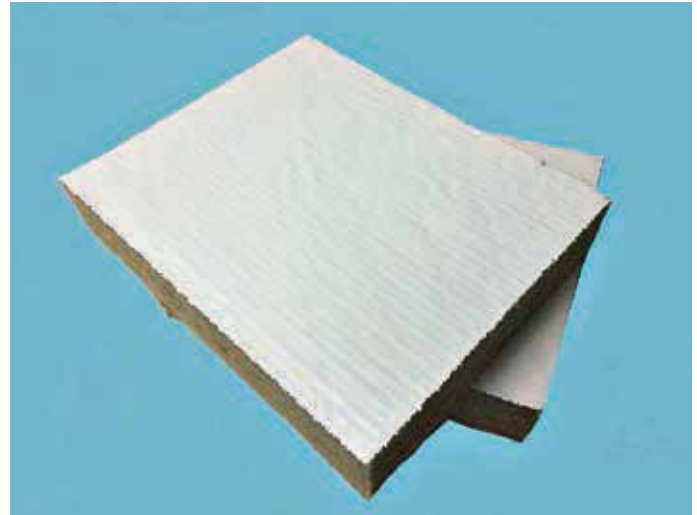
### Standard Dimensions

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

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



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**PG Board TAF** with standard white finish provides effective thermal insulation, acoustic performance, documented composite fire resistance and can reduce lighting energy costs.

### Performance Compliance Data

PG Board TAF is produced with Roxul® stone wool insulation and a controlled facing lamination process under accredited laboratory follow-up service and quarterly 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  
**Fire Performance:**  
 ASTM E 136, Behavior of Materials at 750°C (1382°F) Non-Combustible  
 CAN4 S114, Test for Non-Combustibility Non-Combustible  
 ASTM E 84 (UL723) Surface Burning Characteristics:

Flame spread 0, Smoke Development 0

**CAN/ULC S102** Surface Burning Characteristics:  
 Flame Spread 0, Smoke Development 0

**Thermal Resistance: ASTM C-518 (C177)**  
 R-value/inch @ 75°F, 4.1 hr.ft<sup>2</sup>.F/Btu

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

**Fungi Resistance: 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

### White Polypropylene Facing (paper free):

Reinforced white facer (optional silver facing)  
**Mold Resistance per ASTM C665 / C1338** No Growth  
**Light Reflectance per ASTM C523** 85%

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