

# PROBOARD® FR PREMIUM GPS

Fire-Resistant Rigid Insulation

Made with high-performance Graphite Polystyrene (GPS)

TECHNICAL DATA SHEET



## SPECIFICATIONS AND PERFORMANCE

Product Details	Test Method	Performance
Compressive Strength, PSI (kPa) [min] [results based on 1" thickness]	ASTM D1621	5.0
Thickness	-	varies *
R-Value, 75° F (Btu • in. / ft. <sup>2</sup> hr • F°) [per nominal inch]	ASTM C518	5.0**
Dimensions, width x length (ft.)	-	4x8, 4x9
Component Properties	Test Method	Performance
Film Type	-	flexible plastic, metalized
Film Thickness [nominal mil]	-	1.5, 1.0
Physical Properties of the GPS	Test Method	Performance
Classification of Insulation Component	ASTM C578	Type XI
Density lb./ft. <sup>3</sup> (kg/m <sup>3</sup> ) [min]	ASTM D1622	0.85
Water Absorption by Total Immersion [max, volume %]	ASTM C272	4.0
Flexural Strength, PSI (kPa) [min] [results based on 1" thickness]	ASTM C203	10
Composite Properties	Test Method	Performance
Water Vapor Permeance of 1.00 in thickness, max, perm (ng/Pa•s•m <sup>2</sup> )	ASTM E96	<0.1
Vapor Retarder Classification	ASTM E96	Class I
Surface Burning Characteristics: Flame Spread Smoke Developed	UL 723	5 25
Room Corner Burn	NFPA 286	Can be used without ignition barrier

\* .59", 1.02", 1.55", 2.09"

\*\*Nominal inch is 1.0625"

### Read This Before You Buy - What You Should Know About R-values

The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend upon the climate, the type and size of your house, the amount of insulation already in your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel. To get the marked R-value, it is essential that this insulation be installed properly.

### Additional Information

Treated with PREVENTOL®TM EPS, a systemic insecticide which protects the foam from termite damage. The active ingredient in PREVENTOL®TM EPS is used in low concentrations and is safe for installers and homeowners.

Progressive Foam's manufacturing process includes a combination of heat and pressure, utilizing clean technologies that minimize energy and water inputs through closed loop energy recycling. No solid waste is generated in production, and no generated waste goes to the landfill. All waste is fully recaptured and repurposed.

Treated with a flame retardant; however, all foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. Protect foam insulation from exposure to open flame or other ignition sources during shipment, storage, and installation.

Prolonged exposure to ultraviolet radiation may cause the surface of the insulation to degrade. A light-colored, opaque protective covering should be used if excessive solar exposure is expected.

Meets IECC 2009, 2012, 2015, 2018, 2021 and 2024 Residential and Commercial Energy Code for Exterior Continuous Insulation Sheathing.

AC71 - Foam Plastic Sheathing Panels Used as Water-resistive Barriers [WRB] - Compliant for products 0.50" and thicker when using an AAMA 711 or AC148 tested tape

### Disclaimer

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