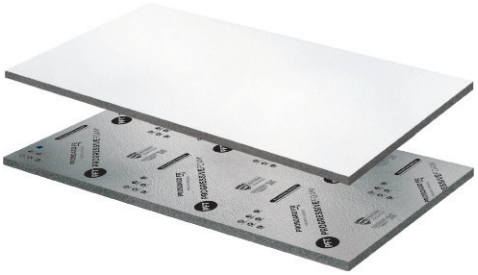
PFT PROGRESSIVEFOAM®
EXPECT EXTRAORDINARY

PROBOARD® FR™
PREMIUM GPS

Fire-Resistant Rigid Insulation designed for interior applications.
Continuous Graphite-Polystyrene [GPS] Insulation

Product Features

- Meets testing to NFPA 286
- GPS core provides R-5 per nominal inch.
- White unprinted facer provides a more finished interior appearance.
- Termite Resistant



Specifications and Performance

Product Details	Test Method	Performance					
Compressive Strength, PSI (kPa) [min] [results based on 1" thickness]	ASTM D1621	5					
Thickness [in.]	-	0.59	1.02	1.55	2.08	3.15	4.25
R-Value, 75° F (Btu • in. / ft.² hr • F°) [per nominal inch]	ASTM C518	3	5	7.5	10	15	20
Room Corner Burn [can be used without an ignition barrier]	NFPA 286 [15 minute]	Pass				No	
Room Corner Burn [can be used without an ignition barrier][Attic and Crawlspace]	NFPA 286 [4 minute]	Pass				Pass	
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./ft³ (kg/m³) [min]	ASTM D1622	0.85					
Water Absorption by Total Immersion [max, volume %]	ASTM 272	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•m²)	ASTM E96	<0.1					
Vapor Retarder Classification	ASTM E96	Class I					
Surface Burning Characteristics: Flame Spread Smoke Developed	UL 723	 5 25					
Air Barrier	ASTM E2357	Pass					

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.

Code Evaluation Approvals

- UL™ Certified Safety US R18532
- UL™ Solutions Evaluation Service Report: UL ER 18532

Packaging

Applicable Standards

ASTM C203	Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
ASTM C272	Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions
ASTM C518	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C578	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation
ASTM D1621	Standard Test Method for Compressive Properties of Rigid Cellular Plastics
ASTM D1622	Standard Test Method for Apparent Density of Rigid Cellular Plastics
ASTM UL 723	Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM E96	Standard Test Methods for Water Vapor Transmission of Materials
ASTM E2357	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assmblies
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
AC 71	Acceptance Criteria for Foam Plastic Sheathing Panels Used as Water Resistive Barriers
NFPA 286 [15 minute]	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
NFPA 286 [4 minute]	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth [Attic and Crawlspace]

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.

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 AMMA 711 or AC148 tested tape

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.

Warranty/Liability Information

This warranty promises your Progressive Foam PROBOARD® FR Premium GPS will maintain its energy-saving benefits, maintain its structural integrity, not contribute to moisture damage, be protected from termite damage, provide Water Resisive Barrier, and provide Air Barrier. If you believe your PROBOARD® FR is not perfroming as promised, submit a claim by mailing written notice to Progressive Foam Technologies, INC. 6753 Chestnut Ridge Road, Beach City, OH 44608. For further information on warranty/liabiliy coverage, please contact PFT at 1-800-860-3626.

Technical Support

For technical support or inquiries, please contact your sales representative or call 1-800-860-3626.

GPS HIGH PERFORMANCE GRAPHITE INSULATION

Preventol®

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