PFT PROGRESSIVEFOAM®
EXPECT EXTRAORDINARY

PROFOLD® PREMIUM GPS

Fan-Folded Underlayment

Product Features

- Approved breathable Water-Resistive Barrier (WRB)
- Continuous insulation
- Long-term thermal performance
- Termite resistant



Specifications and Performance

Product Details	Test Method	Performance		
Thickness [in.]	-	3/8"	1/2"	3/4"
R-Value, 75° F (Btu • in. / ft.^{2} hr • F°)	ASTM C518	2.0	2.6	3.7
Sq. Ft. of Insulation Per Package	-	200		
Dimensions, width x length (ft.)	-	4x50		
Component Properties	Test Method	Performance		
Film Type	-	flexible plastic, metalized		
Film Thickness [nominal mil]	-	1.0, 1.5		
Physical Properties of the GPS	Test Method	Performance		
Classification of Insulation Component	ASTM C578	Type I		
Density lb./ft^3 (kg/m^3) [min]	ASTM D1622	0.90		
Compressive Strength, PSI (kPa) [min] [results based on 1" thickness]	ASTM D1621	10		
Flexural Strength, PSI (kPA) [min] [results based on 1" thickness]	ASTM C203	25		
Composite Properties	Test Method	Performance		
Water Vapor Permeance of 1.00 in thickness, max, perm (ng/Pa•s•m^2)	ASTM E96	Greater than 1		
Vapor Retarder Classification	ASTM E96	Class III		
Water Penetration of Exterior...by Uniform Static Air Pressure Difference [WRB]	ASTM E331	Pass		
Surface Burning Characteristics: Flame Spread Smoke Developed	UL 723	 5 25		

BREATHABLE WRB

StayDry Technology

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 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 E96	Standard Test Methods for Water Vapor Transmission of Materials
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference [WRB]
UL 723	Standard Test Method for Surface Burning Characteristics of Building Materials

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.

UL® Certified Safety US R18532

UL Solutions Evaluations Service Report: UL ER 18532

Foam Plastic Sheathing Panels Used as Water-Resistive Barriers [WRB] - Compliant for products 0.375" and thicker when using an AAMA 711 or AC148 tested tape at joints and seams.

Warranty/Liability Information

This warranty promises your Progressive Foam PROFOLD® Premium GPS will maintain its energy-saving benefits, maintain its structural integrity, not contribute to moisture damage, be protected from termite damage, and provide a Water-Resisive Barrier. If you believe your PROFOLD® 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®

Disclaimer

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Progressive Foam Technologies, Inc. makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.