

CAMOBORD®41

Structural Insulated Sheathing: Exterior Structural Wall System with Continuous Graphite-Polystyrene [GPS] Insulation

Product Features

4-in-1 Performance

1. Structural OSB
2. Continuous Insulation [GPS]
3. Water-Resistive-Barrier [WRB]
4. Air Barrier



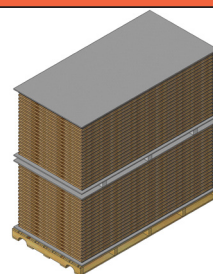
Specifications and Performance

Product Details	Test Method	Performance		
R-Value, 75° F GPS (Btu • in. / ft. ² hr • F°)	ASTM C518	3.5	5.5	8.0
Thickness [in.] with Oriented Strand Board [OSB] structural backer (nominal)	-	1.00"	1.50"	2.00"
Dimensions, width x length (ft.)	-	4x8, 4x9		
Component Properties	Test Method	Performance		
Film Type	-	flexible plastic		
Film Thickness [nominal mil]	-	1.5		
OSB Thickness [in.]	-	7/16"		
Physical Properties of the GPS	Test Method	Performance		
Classification of Insulation Component	ASTM C578	Type II		
Density lb./ft. ³ [minimum]	ASTM D1622	1.35		
Compressive Strength, PSI [min]	ASTM D1621	15		
Water Vapor Permeance of 1.00 in thickness, Max, perm (ng/Pa•s•m ²)	ASTM E96	3.5		
Vapor Retarder Classification	ASTM E96	Class III		
Water Absorption by Total Immersion [max, volume %]	ASTM C272	3.0		
Surface Burning Characteristics: Flame Spread Smoke Developed	UL723	5 25		
Composite Properties	Test Method	Performance		
Water-Resistive Barrier (WRB) [refer to Additional Information chart]	ICC AC71	Pass		
Water-Resistive Barrier (WRB) [refer to Additional Information chart]	ASTM E331	Pass		
Vapor Retarder Classification	ASTM E96	Class I		
Air Barrier	ASTM E2357	Pass		
Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS)	ASTM E2273	Pass		
Surface Burning Characteristics of the OSB: Flame Spread Smoke Developed	UL 723	140 70		

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.

Packaging



Code Evaluation Approvals

- UL™ Certified Safety US R18532
- UL™ Solutions Evaluation Service Report: UL ER 18532
- DRJ Technical Evaluation Report [TER]: TER 2406-111

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 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
ASTM E2357	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies
ASTM E2273	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS)
ICC AC71	Acceptance Criteria for Foam Plastic Sheathing Panels Used as Water Resistive Barriers
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.

ICC 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 certified tape: all seams and fastener penetrations must be taped.

ASTM E331 Method for WRB compliance to the IBC and IRC: all joint seams must be taped with an approved AAMA 711 or AC148 certified tape.

Warranty/Liability Information

This Camobord® 41 Limited Lifetime Warranty promises the product will maintain its energy-saving benefits, maintain its structural integrity, not contribute to moisture damage, be protected from termite damage, provide Water Resistive Barrier, and provide Air Barrier. If you believe your product is not performing 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/liability 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.



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