

HALFBACK H2O PREMIUM INSULATING SHEATHING

PRODUCT DATA SHEET

This is graphite enhanced expanded polystyrene (EPS) insulation made with BASF's patented Neopor® bead.



SPECIFICATIONS AND PERFORMANCE

Physical Property	Test Method	3/4"	1"	1-1/4"
R-Value, 75° F (Btu • in. / ft. ² hr • F°)	C518	3.0	4.0	5.0
Sq. Ft. of Insulation Per Package	-	256 - 4'x4'	192 - 4'x4'	144 - 4'x4'
Dimensions, length x width (Ft.)	-	511 - 4'x8'	384 - 4'x8'	288 - 4'x8'
Classification of Insulation Component (foam only, no film)	ASTM C578	Type I		
Density lb./ft ³ (kg/m ³)	ASTM D1622	Minimum .90		
Water Vapor Permeance of 1.00 in thickness, Min, perm (ng/Pa•s•m ²)	ASTM E96	up to 5.0		
Compressive Strength, PSI (kPa)	ASTM D1621	Minimum 10		
Flexural Strength, PSI (kPa)	C203	Minimum 25		
Surface Burning Characteristics: Flame Spread Smoke Developed	ASTM E84 / UL 723	<25 <450		

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

Features moisture management channels on the wall-facing side of the panel that allow bulk water and condensed water vapor to escape from the wall system.

BASF's Neopor has been qualified in accordance with the ICC-ES (International Code Council) Acceptance Criteria for Foam Plastic Insulation (AC12). Tiny graphite particles give Neopor its silver/gray color and provide up to 20% more insulation value than traditional expanded polystyrene insulation.

HalfbackH2O is 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.

Neopor® is 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.



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