ARMORBOARD RADIANT GPS FOAM INSULATION

PRODUCT DATA SHEET

SPECIFICATIONS AND PERFORMANCE

Physical Property	Test Method	2"	2"	3"
Classification of Insulation Component	ASTM C578	Type II	Type I	Type I
Density lb./ft³ (kg/m³)	ASTM D1622	Min 1.35	Min 9.0	Min 9.0
R-Value, 75° F (Btu • in. / ft.² hr • F°)	ASTM C518	9.6	9.6	14.3
Sq. Ft. of Insulation Per Package	-	192	192	128
Dimensions, length x width (Ft.)	-	4x8	2x8 or 4x8	
Compressive Strength, PSI (kPa)	ASTM D1621	Minimum 15	Minimum 10	
Flexural Strength, PSI (kPA)	ASTM C203	Typical 62	Minimum 25	
Lamination Type	-	3.0 mil flexible plastic, 0.1 mil reflective	0.1 mil flexible plastic, 0.1 mil reflective	
Water Vapor Permeance of 1.00 in thickness, Min, perm (ng/Pa•s•m²)	ASTM E96	<1.0		
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
ArmorBoard has been qualified in accordance with the ICC-ES (International Code Council) Acceptance Criteria for Foam Plastic Insulation (AC12). Tiny graphite particles give ArmorBoard it's silver/gray color and provide up to 20% more insulation value than traditional expanded polystyrene insulation.
ArmorBoard 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.
The 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 re-purposed.
ArmorBoard 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.
ArmorBoard is a Building Code Compliant UL Certified Rigid Foam Insulation that helps builders and contractors meet IECC 2009, 2012 and 2015 Residential and Commercial Energy Code for Exterior Continuous Insulation Sheathing.
ArmorBoard is third party tested, qualified and certified under UL Code Evaluation Report 5817-02; it exceeds ASTM minimum insulation requirements by over 20%.

Preventol®

Nash Distribution

Nashdistribution.com

(800) 288-0831 | info@nashdistribution.com

13659 National Road S.W., Reynoldsburg, OH 43068