

Bora-Foam®

Bora-Foam (film-faced expanded polystyrene) is a cost-effective, durable, and energy efficient solution for all types of insulation application. Typical applications for Bora-Foam include crawl spaces, basements, under concrete slabs and other below-grade areas.

Proven to meet - or exceed - building codes.

Bora-Foam is manufactured to Quality Control Program standards monitored by Underwriters Laboratories Inc. and recognized by national building codes. Bora-Foam meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Bora-Foam made with Perform Guard® EPS has passed the Corner Room Burn Test and therefore does not require an additional thermal barrier when installed in a crawl space in accordance with ICC ESR 1006, Section 4.2.2 and UL ER 11812-01, Section 6.2.3.

Advantages

- Saves Energy
- No long-term R-value loss or thermal drift
- Superior moisture resistance
- Termite resistant
- Retains R-value even with moisture exposure
- Retains R-value after freeze-thaw cycling



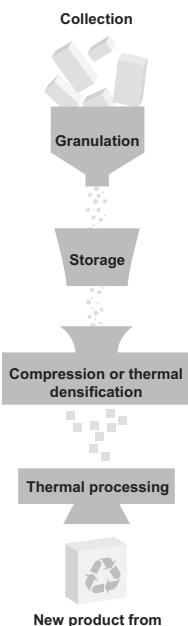
Bora-Foam always comes in green.

Bora-Foam helps make your insulation projects environmentally friendly.

- Lower energy consumption reduces carbon dioxide emissions
- Is inert and stable
- Has never contained CFC, HCFC or HFC, all of which are harmful to the earth's ozone layer

Recycling.

Bora-Foam is 100% recyclable. It can be ground into granules and reincorporated into new Bora-Foam products. Or it can be thermally processed into a resin that's used to manufacture other new products.



Bora-Foam Properties			
Nominal Density ASTM C303		lb/ft ³ (kg/m ³)	1.00 (16)
Density, min. ASTM C303		lb/ft ³ (kg/m ³)	0.90 (1.5)
R-value ¹⁻³ Thermal Resistance @ 2.5" thickness ASTM C518	25°F	°F.ft ² .h/Btu (°K.m ² /W)	11.9 (1.93)
	40°F	°F.ft ² .h/Btu (°K.m ² /W)	11.4 (1.83)
	75°F	°F.ft ² .h/Btu (°K.m ² /W)	11.0 (1.70)
k-value ¹ Thermal Conductivity ASTM C518	25°F	Btu.in/°F.ft ² .h (W/°K.m)	0.23 (0.033)
	40°F	Btu.in/°F.ft ² .h (W/°K.m)	0.24 (0.035)
	75°F	Btu.in/°F.ft ² .h (W/°K.m)	0.26 (0.037)
Compressive Strength @ 10% deformation, min. ASTM D1621		psi (kPa)	10 (69)
Flexural Strength, min. ASTM C203, Procedure B		psi (kPa)	25 (173)
Water Vapor Permeance max., perm ASTM E96			0.08
Flame Spread Index ² Smoke Developed Index ² ASTM E84/UL723			20 150-300
Maximum recommended long-term exposure temperature			165°F (74°C)

¹ Please refer to ASTM C578 for minimum R-values.

² Please refer to UL certificate for complete information.

³ Includes air-films each.