



## Termite Resistant Crawl Space Insulation.

Bora-Foam (film-faced molded 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.

**R-value** – Bora-Foam has an R-value that never changes over time.

**Strength** – Bora-Foam has a compressive strength of 10 psi.

**Moisture Resistance** – Bora-Foam is a closed cell polystyrene insulation and is resistant to moisture gain.

Attics/Crawl Spaces – Bora-Foam is approved for use without a thermal barrier.

### Applications

- Crawl Space
- Basements
- Under Concrete Slabs
- Below Grade Areas

### Proven to meet, or exceed, building codes.

Bora-Foam is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-07.

Bora-Foam insulation meets ICC ES AC239, “Acceptance Criteria for Termite-Resistant Foam Plastics”.

Bora-Foam meets Type I of ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”.

Bora-Foam has passed Corner Room Burn Testing and therefore does not require an additional ignition or thermal barrier when installed in a crawl space in accordance with UL ER 11812-07, Section 6.2.1



Bora-Foam Properties		
Dimensions	7'10" x 4' x 2.5"	
Compressive Strength <sup>1,2</sup> @ 10% deformation, min. ASTM D1621	psi (kPa)	10 (69)
R-value <sup>1</sup> , Thermal Resistance, @ 2.5" Thickness, ASTM C518	25°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W) 11 (1.94)
	40°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W) 11 (1.85)
	75°F	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W) 10 (1.76)
k-value Thermal Conductivity ASTM C518	25°F	Btu·in/°F·ft <sup>2</sup> ·h (W/°K·m) 0.23 (0.033)
	40°F	Btu·in/°F·ft <sup>2</sup> ·h (W/°K·m) 0.24 (0.035)
	75°F	Btu·in/°F·ft <sup>2</sup> ·h (W/°K·m) 0.26 (0.037)
Density, Nominal ASTM C303	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	1.0 (16)
Flexural Strength <sup>1</sup> , min. ASTM C203	psi (kPa)	25 (173)
Water Vapor Permeance <sup>1</sup> max., perm ASTM E96	<0.3	
Water Absorption <sup>3</sup> , volume % ASTM C272	0.3	
Flame Spread Index ASTM E84	<25	
Smoke Developed Index ASTM E84	<450	
Maximum long-term use temperature	165°F (74°C)	
ASTM C578 Compliance, Type	I	

<sup>1</sup> Please refer to ASTM C578 specification for complete information.

<sup>2</sup> Compressive strength is measured at 10 percent in accordance with ASTM C578. A safety factor is required to prevent long-term creep for sustained loads. For static loads, a safety factor of 3:1 is recommended.

<sup>3</sup> ASTM C272 24 hour immersion followed by 24 hour storage in 75°F/50%RH air.



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