



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 ^{1,2} @ 10% deformation, min. ASTM D1621		psi (kPa)	10 (69)
R-value ¹ , Thermal Resistance, @ 2.5" Thickness, ASTM C518	25°F	°F·ft ² ·h/Btu (°K·m ² /W)	11 (1.94)
	40°F	°F·ft ² ·h/Btu (°K·m ² /W)	11 (1.85)
	75°F	°F·ft ² ·h/Btu (°K·m ² /W)	10 (1.76)
k-value 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)
Density, Nominal ASTM C303		lb/ft ³ (kg/m ³)	1.0 (16)
Flexural Strength ¹ , min. ASTM C203		psi (kPa)	25 (173)
Water Vapor Permeance ¹ max., perm ASTM E96			<0.3
Water Absorption ³ , 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

¹ Please refer to ASTM C578 specification for complete information.

² 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.

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



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Termite-Resistant Bora-Foam® Crawl Space Insulation.

Encloses and insulates your crawl space to get energy savings and passive geothermal gain.

Enclosing crawl spaces is a growing trend. If done properly by a professional, it fixes mold and moisture issues and reduces your carbon footprint—not to mention your heating and cooling bill.

Bora-Foam is the first termite resistant molded polystyrene insulation designed for basements and enclosed crawl spaces.

Insulation helps keep crawl spaces dry, clean and comfortable. Unfortunately, insulations are susceptible to termite infestation and can trap moisture.

Bora-Foam is an important component in preventing these problems. It's made by a process using a product that is a deterrent to termites. This product is incorporated into the insulation during the manufacturing process. Bora-Foam has been thoroughly tested, is safe for handling and is noncorrosive. And termites hate it.

Properties

- R-value at 2.5" = R-10
- Dimensions: 7'10" x 4' x 2.5"
- Recognized in UL ER 11812-07
- UL Classified for surface burning characteristic
- UL Classified to meet ASTM C578 Type I
- Termite resistant and meets ICC-ES AC239
- Approved for use in crawl spaces without a ignition barrier or thermal barrier

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.

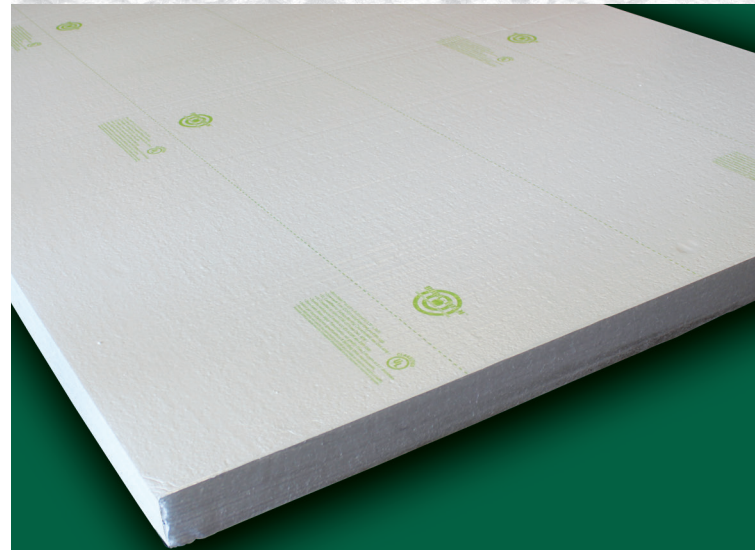
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BORA-FOAM®
TERMITE RESISTANT INSULATION



BORA-FOAM FACTS:

- Puncture resistant
- Easy cut lines
- 3 mil polyethylene on the front side and 2.5 mil polyester on the back side of the board
- 3/4 cut & snap can create inspection flap
- Won't cut your hands like foil products
- No itch from fiberglass
- Meets ICC ES AC239 requirements for termite resistance foam plastic
- Is suitable for use in all areas of termite risk
- Meets requirements of IBC Section 2603.8
- Meets requirements of IRC Section 320.5

**Bora-Foam is
100% recyclable.**



**Bora-Foam is made using
up to 15% recycled content.**

Problem.

How do you enclose a crawl space to achieve energy savings and still resist termites? Termites love to live, work and eat in comfortable and protected surroundings.

All untreated insulations can potentially provide this environment. Most of the U.S. is susceptible to termite activity. It is important that insulation products and systems account for the potential of termite infestation.

- Termites reduce insulation & system performance.
- Termites cause problems for structural systems.
- Costs to control termites can continue indefinitely.

**Termite-Damaged
Untreated Foams**



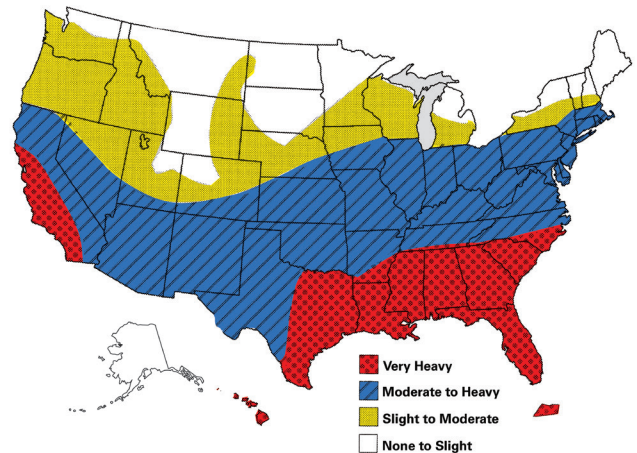
**Bora-Foam is
Protected**



Testing.

Termite exposure tests have been conducted by industry-recognized institutions following industry-recognized test standards of ICC ES AC239. Product performance testing has shown how Bora-Foam resists termite infestation when installed following our recommendations.

Termite Infestation Risk.



Installation.

Bora-Foam is a termite resistant insulation used to enclose crawl spaces. It is not a barrier system, but should be used in conjunction with a total insect management program available from your pest control operator.

Install per Building Code requirements.

Flame retardants are used in the manufacture of Bora-Foam and provide an important margin of safety; however, Bora-Foam must be considered combustible and not exposed to sources of ignition.

Ready to take control? Start here.

If you're starting to wonder how Bora-Foam can contribute to your next job, here's how to find out: Just contact Nisus Corporation. They'll be happy to give you information about insulating with Bora-Foam and provide the answers to all your questions. Ask for Technical Support at 800-264-0870 or visit www.nisuscorp.com.



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