Barrier / XT / X5

Underslab Insulation and Vapor Retarder

Product Description

The Barrier product family is a high-performance EPS foam underslab insulator and vapor retarder, designed to insulate and retard moisture migration through concrete. The core of the product is made of flexible, recycled extruded expanded polystyrene that provides the excellent insulation characteristics. This unique core has vapor retarding film laminated to both sides as well as a patented self-taping edge and overlapping flange to make the entire installation seam-free.

High-performance insulation values, cost-saving installation, and unequaled flexibility makes **The Barrier / BarrierXT & BarrierX5** the most effective underslab insulators and vapor retarders in today's market!

New Product

BarrierX5 with a 1.25" thick core in flexible 4'x60' rolls.

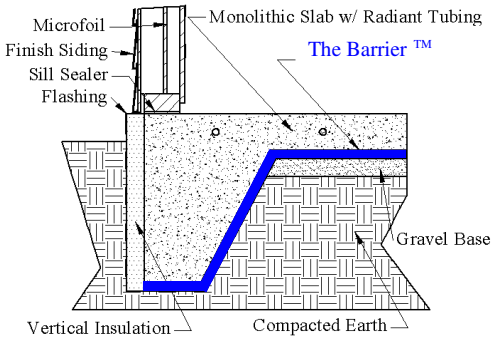
Product Use

Like a foam cup protects your hand from the hot beverage it holds, **The Barrier** product family protects concrete from heat loss and moisture, especially when used in a radiant heat floor application. **The Barrier** under concrete insulation is a thermal block which insulates the concrete from the cold and dampness of the ground. The entire product line-up is strong, durable, and will not collapse under the weight of the concrete. Installation is far easier because you can walk on all of them without breaking —plus, the patented seam taping system makes installation fast and efficient.

The Barrier underslab insulation and vapor retarder protects your flooring and other moisture sensitive furnishings in your building's interior from moisture migration while also providing dual use as an effective insulator.

Features / Benefits

- Durable / Flexible / Walkable
- 100% Waterproof and Vapor-proof
- Expanded polystyrene for real insulating value
- Fast / Easy Installation -4'x60' rolls for significant labor savings
- Seamless –Patented self taping edges reduces thermal bridging



Applications

- Underslab Insulation
- Hydronically Heated Slabs
- Electrically Heated Slabs
- Snowmelt / Icemelt
- Underslab Vapor Retarder
- Crawl Spaces
- Foundation Wall Vapor Retarder
- Radon Retarder
- Back fill protection

Size

The Barrier 3/8" x 4' x 60' rolls.

BarrierXT 3/4" x 4' x 60' rolls.

New **BarrierX5** 1.25" x 4' x 60' rolls.

Specify **HD** for 10 mil film top film.

Note: Film width is 50.5" for a 2.5" overlapping waterproof seal.

NOFP
High Performance Insulation

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Properties	Test Method	The Barrier	BarrierXT	BarrierX5
Insulation R-Value ASTM C-518	As part of Assembly (6" Gravel, Insulation) (50°F)	6.7	8.2	10.3
	As part of Assembly (3.6" Slab, Insulation, 1" sand, 3" gravel) (50°F)	3.8	5.2	7.3
	Material Only (50°F/75°)	1.8 / 1.7	3.2 / 3.0	5.3 / 5.0
Thickness, Nominal		0.375"	0.750"	1.25"
Weight Per Unit (lbs.)		23	32	40
Size / Coverage (sqft)		4'x60' / 240sqft	4'x60' / 240sqft	4'x60' / 240sqft
Compressive Resistance	ASTM D 1621	13-15 psi @ 10%	13-15 psi @ 10%	13-15 psi @ 10%
Use Temperature		180 °F Max	180 °F Max	180 °F Max
Permeance	ASTM E 96 Sec. B	Zero	Zero	Zero
Water Permeability	ICBO Sec. 4.6.1	Zero	Zero	Zero

Unroll and use self sealing taped edge

Lay down tubing / seal around openings

Pour and finish concrete

The Barrier Placement

Just follow these simple steps and find out why installers rate this material first in today's market.

1. Base material should be as level as possible, with all debris removed. Level and tamp or roll granular base.
2. Unwind **The Barrier** roll with tape edge up and white side up, then lay flat on base material, with longest dimension parallel with the direction of the pour.
3. Cut to length required —or roll up the footer form if desired to insulate the slab completely from heat and cold migration (recommended by NOFP).
4. Lay next roll down. Peel away white tape backer-compress overlap tab firmly on taped edge. **It is important to make sure rolls are butted tightly together to create a gapless seam when you compress together the double-faced adhesive tab.
5. Four foot sides, damaged film, and any cutouts should be seamed or repaired with appropriate seaming tape.

(These are general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed as well.)

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. NOFP, Inc. makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

Read this before you buy: 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.

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