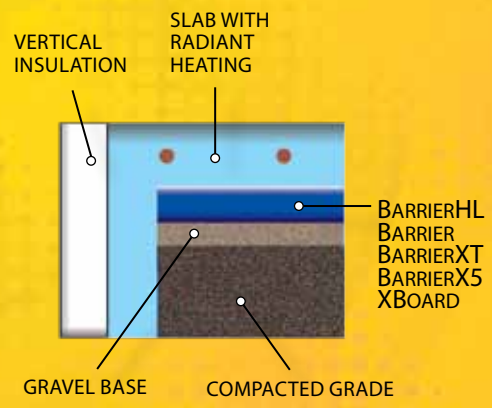
Barrier™
BarrierXT™
BarrierX5™
BarrierHL™
XBoard™



RADIANT FLOOR,UNDERSLAB INSULATION AND VAPOR RETARDER

PRODUCT DESCRIPTION

The Barrier product family is an EPS foam underslab insulation and vapor retarder, designed to insulate radiant heating projects from heat loss and retard moisture migration through concrete. The core of the product is made of flexible, recyclable expanded polystyrene that provides the excellent insulation characteristics that are needed to maximize energy savings and minimize heat loss. The unique core has vapor retarding films bonded 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 product family the most effective radiant floor insulation and vapor retarder in today's market!

FEATURES & BENEFITS

- Durable / Flexible / Walkable
- 100% Waterproof and Vapor-proof
- Expanded polystyrene for real insulating value
- Fast / Easy Installation - 4' x 64' rolls for significant labor savings
- Seamless – Patented factory applied tape edge reduces thermal bridging
- Printed layout guides for tubing layout or trimming
- Sustainable = Recycled EPS content
- Improved 3" overlap flange
- Full product coverage –no need to purchase additional material for overlap loss

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 damage, especially when used in a radiant heat floor application. Use in all floor heating or snow melting applications where the heat should be driven upwards as opposed to wasting the energy to the ground. Great uses are in hydronic, electric slab heating or snow melting applications. Where higher density material is desired, BarrierHL and XBoard at 25 psi provides the increased support and necessary R-values such as in slab-on-slab retrofits with thinner concrete over-pours.

The entire product lineup is strong, durable, and utilizes long-lasting proven R-Value performance without the use of reflective foil. 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.

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
- Slab-on-Slab Retrofit

QUICK SPECS

- BarrierHL .....¼" x 4' x 96' (384 sqft)
- Barrier .....⅜" x 4' x 64' (256 sqft)
- BarrierXT.....¾" x 4' x 64' (256 sqft)
- BarrierX5...1.25" x 4' x 64' (256 sqft)
- XBoard.....2.38" x 4' x 8' (32 sqft)
- Vapor retarder top and bottom
- 25 psi –XBoard / BarrierHL
- 51" top film width for 3" overlap

NOFP
High Performance Insulation

800.339.4850 www.The Barrier.com

PROPERTIES	TEST METHOD	BARRIERHL	THE BARRIER	BARRIERXT	BARRIERX5	XBOARD
Insulation R-Value ASTM C-518	6" dry gravel assembly (25° F) Material Only (25° F/75° F)	6.2 1.2/ 1.1	6.4 1.6/ 1.4	8.2 3.2/ 2.7	10.3 5.3/4.5	15.0 11.4/10.0
Thickness, Nominal		0.25"	0.375"	0.75"	1.25"	2.38"
Weight per Unit (lbs.)		26	16	25	35	13
Size/Coverage (sq. ft.)		4' x 96' /384 sq. ft.	4' x 64' /256 sq. ft.	4' x 64' /256 sq. ft.	4' x 64' /256 sq. ft.	4' x 8' /32 sq. ft.
Compressive Resistance	ASTM D 1621	25 psi @ 10%	10 psi @ 10%	10 psi @ 10%	10psi @ 10%	25 psi @ 10%
Use Temperature		180° F Max	180° F Max	180° F Max	180° F Max	180° F Max
Permeance	ASTM E 96 Sec. B	Zero	Zero	Zero	Zero	Zero

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/Layout The Barrier with the tape edge up. The way that the roll unwinds will put the tape edge up.

3 Cut to length required. Use pre-printed guide marks for increased cutting accuracy.

4 Lay down next roll / sheet starting from the same side to insure that flange will fall over tape edge on adjacent product. Push together product so that no gap exists. Peel away backing from taped edge and while pulling flange towards the seam, compress the flange against the pressure sensitive taped edge.

5 Four foot side, damaged film, and any cutouts should be seamed or repaired with NOFP 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. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation you need depends mainly on the climate where you live. Also, your fuel savings from insulation will depend on climate, the type and size of your structure, the amount of insulation already in your structure, and your fuel use patterns and occupancy. If you buy too much insulation, it will cost you more than you'll save on fuel. To get the marked R-value, it is essential that this insulation be installed properly.

NOFP
High Performance Insulation

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