ESP LOW-E

LOW-E SLABSHIELD

Reduces your carbon footprint.

The easiest and best way to stop heat transfer between ground and slab, for greater comfort and energy efficient living is to install SlabShield.

Build energy efficient structures from the ground up by using revolutionary ESP LOW-E® SlabShield. Developed with the same ESP LOW-E® energy efficient technology that goes into all ESP LOW-E® Insulation products, SlabShield offers unique benefits not found in other under slab products. ESP LOW-E® SlabShield is engineered to not only help prevent heat transfer from ground to slab but also to provide a vapor barrier that protects basements from excess moisture.

ESP LOW-E® SlabShie|d is designed with a layer of closed-cell polyethylene applied to both sides of a reflective foil layer. The closed cell doubles as a vapor barrier and a protection for the aluminum against chemical reaction with fresh concrete. ESP LOW-E® SlabShield is puncture resistant up to 93 psi and crush resistant up to 70 psi. Unlike other rigid under slab insulation, ESP LOW-E® SlabShie|d adjusts and molds itself to the contours of the grade providing a better and stronger concrete pour.

ESP LOW-E® SlabShield is easy to apply and will not crack or break like traditional board insulation when walked on. It is lightweight and cuts easily with a utility knife. ESP LOW-E® SlabShield comes in rolls with innovative interlocking tabs that provide a perfect seam when using several rolls side by side.

BENEFITS OF ESP LOW-E® SLABSHIELD:

- ☑ Decrease slab response time
- ☑ Excellent vapor barrier
- ☑ Exclusive interlocking tabs
- ☑ Conveneint and lightweight
- ☑ Puncture resistant to 93 psi
- ☑ Crush resistant to 70 psi
- ☑ Superior thermal performance
- ☑ Closed cell foam (not bubble pac)
- ☑ Helps retain curing moisture for stronger concrete

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PRODUCT NAME - ESP LOW-E® SlabShield
PRODUCT CODE - 4MSMB, 4FSFB
FINISHED DIMENSION - 4' Width, 63' Length (standard) Shipped in roll form.
PRODUCT THICKNESS - 1/4" (Nominal Thickness), 3/8" (Nominal Thickness)
PERM RATING: ASTM E96 0.0028
FLAME AND SMOKE: **Not Applicable in this type installation as product is to be installed under concrete only**.
R-VALUE - *ASTM C518: 2.9 (4FSFB 1.6 product only 4MSMB 1.2 product only)
PUNCTURE RESISTANCE: Beach T-803-99: 92.9 psi
CRUSH RESISTANCE: Architectural Testing Inc. 70 psi
* Tested within concrete assembly
Thinner version of SlabShield, Product Code 4MSMB, is available upon request. Same as original design but thinner for applications such as lightweight concrete.

"R means resistance to heat flow. The higher the R-value, the greater the insulating power."
"To get the marked R-Value, it is essential that this insulation be installed properly. If you do it yourself, get instructions and follow them carefully. Instructions do not come with this package."
To obtain installation instructions visit www.low-e.com or call 1-800-289-5693

ESP, Inc. strives to provide the most accurate R-Value data possible. The R-Values set forth in this document are the reflection of a combination of testing and conscientious calculations. However, these numbers, even within specific applications can fluctuate due to the multiple variables that influence R-Values.

This product is to be installed as an under slab insulation only!

WARNING: Although ESP LOW-E® Insulation Products are all fire tested to ASTM and/or NFPA standards; it is recommended that they or any insulation material should not be exposed to open flame or other ignition sources of sufficient intensity during shipment, storage or installation.

CAUTION: Aluminum is an Electrical Conductor. Please use caution when working around electrical sources including overhead power lines. Carefully inspect electrical junction boxes and check for frayed wires before beginning installation.

For detailed testing information please contact us at I-800-289-5693.

Discover even more ways to lower energy costs with ESP LOW-E® Insulation

Green building is not just a trend, but the wave of the future as more and more homeowners and builders demand energy efficient homes and products. ESP Low-E® Insulation products are designed for maximum energy and cost efficiency. Whether it's under slab, under roof, around duct work or wrapping the entire house, ESP LOW-E® Reflective Insulation products save more money on heating and cooling than regular insulation and Housewrap.
Check out all the ways ESP LOW-E Insulation can help reduce your energy

ESP LOW-E® Insulation • ESP LOW-E® Housewrap • ESP LOW-E® SlabShield

For more information and a free sample of LOW-E material, or for the dealer nearest you visit www.low-e.com or call 1.800.289.5693

ESP LOW-E is a trademark of Environmentally Safe Products, Inc.