Introducing the Reflectix® Radiant Barrier (RB4812550)

Product Description

The Reflectix® Radiant Barrier product consists of two sheets of highly reflective (96%) film bonded together, enclosing a woven polyethylene fabric, perforated. The product is available in a 4’x125’ roll (500 sq ft). Product # RB4812550

Benefits:

- Saves Your Energy Dollar
- Blocks 96% of the Radiant Energy From Entering Your Home
- Reduces a Home’s Air Conditioning by up to 10%
- Improves Efficiency of Attic-Mounted HVAC and Ducts

Technical Data:

- Roll Dimensions: 48” x 125’
- Flame Spread: Less than 25 (ASTM E84)
- Smoke Development: Less than 50 (ASTM E84)
- Emissivity: 0.04
- Reflectivity of Infrared Energy: 96% (ASTM C1371)
- Permeability: 6.3 Perms (ASTM E96)

Alternate Attic Installation (Southern USA only)

Please Review: This application is regionally specific. Refer to the note at the top of page 2.

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Common Questions About Radiant Barriers

What is a Radiant Barrier?
- A Radiant Barrier is an attic installed product that reduces radiant heat gain into the home.
- This product, by ASTM standard, must re-transmit less than 10% of the energy it encounters (the Reflectix® Radiant Barrier is less than 6%)
- A Radiant Barrier installed below roof decking will block 96% of the energy the decking would ordinarily transfer into the home.

What benefits from a Radiant Barrier can a homeowner expect?
- A cooler attic results in a cooler structure with less AC usage.
- A homeowner can expect to save 7% to 10% off the AC utility bill for the home.

Note: A reflective product installed in an open attic as a Radiant Barrier has no R-value. R-values for reflective products are obtained when the product faces an air space in a “enclosed cavity”.

Will the Reflectix® product hurt my shingles?
- Substantial research has been done on this issue. The answer is “no”.
- There are a wide-range of mechanisms at work which dissipate the heat blocked by the product.
- Shingle temperatures do increase approximately 2 - 5°F. But this additional increase is far below the 200°F that most shingles are warranted, and produces no adverse effects.

Is ventilation required for a Radiant Barrier? No, ventilation is not required, but it is very beneficial when free air flow is present. If an attic system has a mass insulation (such as fiberglass), a radiant barrier and a ridge vent, it has addressed three types of heat flow; conductive, convective and radiant within that system.

What is the fire rating of the Reflectix® Reflective/Woven Polyethylene/Reflective Radiant Barrier? The Reflectix® Radiant Barrier has a Class A/Class 1 Fire Rating and meets all fire and smoke safety requirements for federal, state and local building codes (ASTM E84).

When installed in a Cathedral Ceiling, what are the product benefits?
- A Radiant Barrier - The product blocks 96% of the radiant heat that the roof decking would transmit into the cavity.
- Easy installation and convenient roll sizes.
- Additionally, resists growth of fungi, mold and mildew.
- Please be sure to refer to the “Note” regarding Cathedral Ceiling Installations at the top of this page.

How does the product perform as a House Wrap behind Brick or Aluminum/Vinyl Siding?
- The product is perforated and provides a Water Vapor Permeability of 6.3 Perms (ASTM E96 A).
- This application has a Radiant Barrier benefit and also enhances the thermal performance of the overall wall system.

Saving Energy, Radiating Quality.
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