



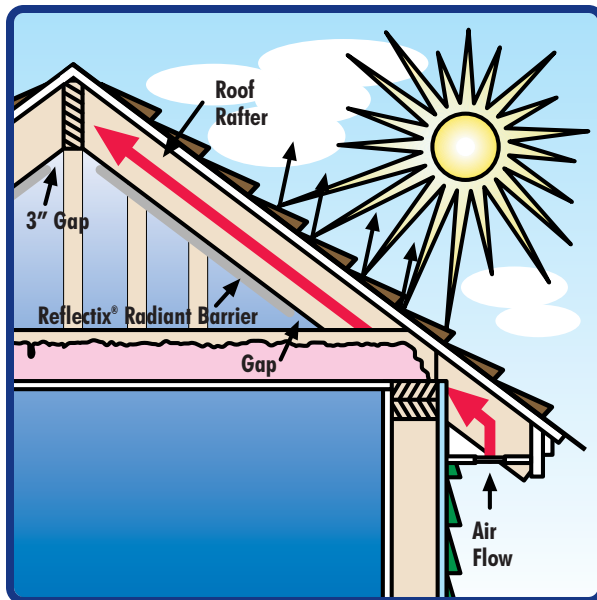
# Reflectix<sup>®</sup> Radiant Barrier



## 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

## Attic Installation



Staple product to the bottom of the rafters, overlap seams 2" and insure a gap at the peak (3") and along lower roof line (as convenient depending on roof pitch). Additionally, install product across gable studs. An alternative installation would involve stapling the product directly to the decking between the rafters (or trusses) as depicted in the Cathedral Ceiling Installation.

**Note:** Refer to [www.reflectixinc.com/cathedralceiling.com](http://www.reflectixinc.com/cathedralceiling.com) and utilize the Zip Code Zone Locator to determine if the Direct to Decking/Cathedral Ceiling applications are recommended in your area. This information is also available at 1-800-879-3645 during regular business hours, Monday through Friday.

## Technical Data:

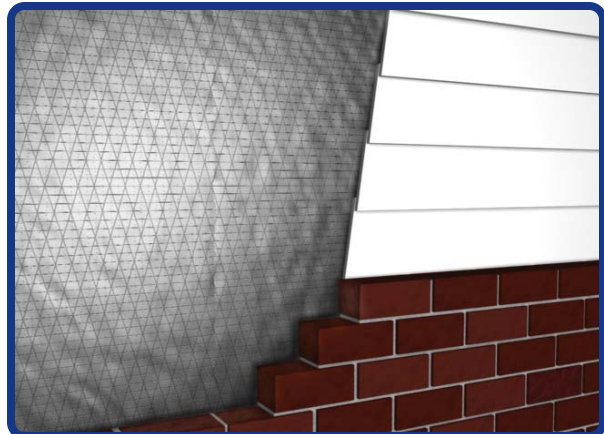
Roll Dimensions	48" x 125'
Flame Spread:	0
Smoke Development:	5 (ASTM E84-81A)
Emissivity:	4%
Reflectivity of Infrared Energy:	96% (ASTM C-1371)
Permeability:	60g/m(2)/24 hr. (ASTM E-96A)

## Cathedral Ceiling Installation



**Please Review:** This application is regionally specific. Refer to the note in the lower left hand corner. It will direct you to a website and a phone number that will provide verification if your area is recommended for this installation method.

## House Wrap Behind Brick or Aluminum/Vinyl Siding



## Common Questions about Radiant Barriers

### What is a Radiant Barrier?

- A Radiant Barrier is a material that is a poor re-transmitter of radiant energy.
- A Radiant Barrier by ASTM standard must re-transmit less than 10% of the energy it encounters (the Reflectix® Radiant Barrier is 4%)
- Roof decking re-transmits 80% of the radiant energy it absorbs. This is the reason attics are very hot during the day.
- A Radiant Barrier installed below the roof decking will block 96% of the energy the decking would ordinarily transfer into the home.
- 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 “closed 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 extremely helpful when addressing convective heat transfer. 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/Scrim/Reflective Radiant Barrier?


Reflectix® has a Class A/Class 1 Fire Rating on the Reflective/Scrim/Reflective Radiant Barrier meeting all fire and smoke safety requirements of federal, state and local building codes. (Satisfies UL 723, NFPA 255 and UBC 42-1.)

### In a Cathedral Ceiling, how does your product compare with a baffle?

- Baffles only provide a conduit for airflow.
- They may also reduce the effectiveness of the fiberglass if they compress the batts.
- The Reflectix® product must have an air space to provide benefit. This air space in conjunction with the foil provides three things:
  - Gives the system the added benefit of a Radiant Barrier.
  - Provides a conduit for warm air to escape (rise) out of the cavity.
  - Eliminates the cost of baffles.
- Please refer to the “Note” regarding Cathedral Ceiling Installations at the bottom of the cover page.

### How does the product perform as a House Wrap behind brick?

- The product is perforated and provides a Water Vapor Permeability of 60g/m(2)/24hr (ASTM E-96 A).
- The reflective side of the product provides an additional R-value (R-3.4) when facing the 3/4” enclosed air space behind the brick.



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### Saving Energy, Radiating Quality.

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