

Reflectix® Radiant Barrier Installation Instructions

Product: RB4812550

Description:

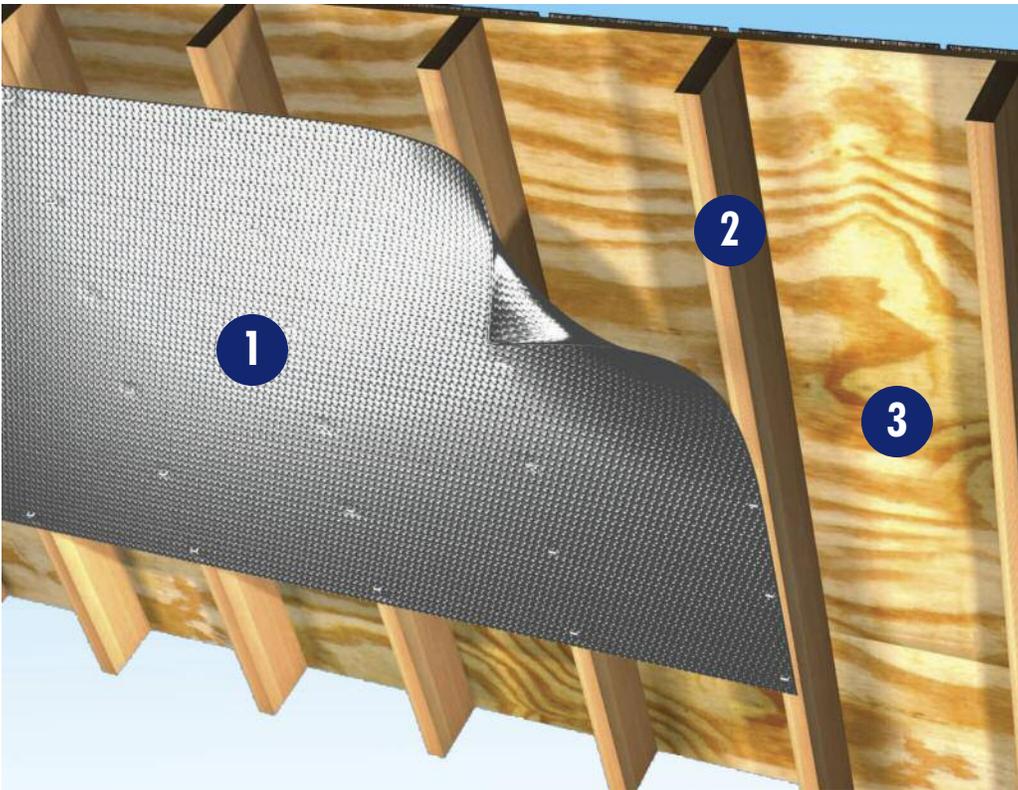
The product consists of two outer layers of 95% reflective film bonded together enclosing a heavy gauge woven polyester fabric (to provide structure for staples). The product is available in a roll 48 inches wide by 125 linear feet.

Applications:

Attic	Page 2
Cathedral Ceiling.....	Page 4
House Wrap	Page 6

DIY Attic | (Radiant Barrier)

Reflectix® Installation Instructions



1. Reflectix® Product
2. 2" x 6" Rafter
3. Roof Decking

Tools Required:

- Safety Glasses
- Staple Gun
- Tape Measure
- Utility Knife/Scissors

Recommended Products:

- Reflective/Bubble/Bubble/Reflective - Roll: BP24025 (24" x 25'), BP48025 (48" x 25')
- Staple Tab, Reflective/Bubble/Bubble/Reflective - Roll: ST16025 (16" x 25'), ST24025 (24" x 25')
- Radiant Barrier, Reflective/Woven Fabric/Reflective - Roll (Heavy Duty): RB4812550 (48" x 125')

Note: Attic Radiant Barriers provide benefit on hot sunny days. For this reason, they are recommended for installation in the Southern Zone of the USA (due to the amount of AC usage). However, they will provide reduced heat gain into the home wherever they are installed. If you need to verify your location, use our "Zip Code Zone Locator" function at www.reflectixinc.com/zip-code-zone-locator.



Reflective/Woven Fabric Radiant Barrier

Installation Instructions:

(There are 2 options)

1. Underside of Rafter Method (depicted in illustration)

- Check the attic area and make any needed repairs before installing Reflectix®.
- Unroll the Reflectix® as you work and cut it to suitable lengths (8' to 12') with scissors or utility knife.
- If a helper is available, rolling out longer lengths of product with one person stapling and the other holding the end of the product makes for a quicker installation.
- Allow for proper ventilation. See note below on ventilation.
- Install product perpendicular to the rafters with a 2" overlap on the seams (no taping required). Staple the product to the rafters at 2" to 3" intervals.
- Leave a 2" to 3" gap on each side of the roof peak and a gap at the lower edge of the roof line (within 18" OK depending on roof pitch).
- Staple to the face of the studs on gables and insure at least a 1" gap around all vents.

2. Staple to the Deck Method - Southern Zone of the USA Only

For the Regional Recommendation for this Installation Method, please verify the location of your home with the "Zip Code Zone Locator" function at www.reflectixinc.com/zip-code-zone-locator.

- Cut the entire roll of product into 16" or 24" lengths with a miter saw (depending on rafter spacing).
- Begin at the top of the cavity. Run product flush to the decking, parallel to the rafter.
- Staple sheet directly to the deck (nails poking through sheet from above will not interfere with performance).
- Do not block any venting (cut around). No need to cover rafters (no loop around).



Reflective/Bubble Insulation

Installation Instructions:

(There are 3 options)

1. Underside of Rafter Method (depicted in illustration)

- Check the attic area and make any needed repairs before installing Reflectix®.
- Unroll the Reflectix® as you work and cut it to suitable lengths (8' to 12') with scissors or utility knife.
- If a helper is available, rolling out longer lengths of product with one person stapling and the other holding the end of the product makes for a quicker installation.
- Allow for proper ventilation. See note below on ventilation.
- Install product perpendicular to the rafters with a 2" overlap on the seams (no taping required).

Staple the product to the rafters at 2" to 3" intervals.

- Leave a 2" to 3" gap on each side of the roof peak and a gap at the lower edge of the roof line (within 18" OK depending on roof pitch).
- Staple to the face of the studs on gables and insure at least a 1" gap around all vents.

2. Staple to the Deck Method - Southern Zone of the USA Only

For the Regional Recommendation for this Installation Method, please verify the location of your home with the "Zip Code Zone Locator" function at www.reflectixinc.com/zip-code-zone-locator.

- It is easiest to install either 16" or 24" wide product (depending on rafter spacing).
- Begin at the top of the cavity. Run product flush to the decking, parallel to the rafter.
- Staple sheet directly to the deck (nails poking through sheet from above will not interfere with performance).
- Do not block any venting (cut around).
- No need to cover rafters (no loop around).

3. Truss Cavity or Side of Rafter Method

- Utilize either 16" or 24" Reflective/Bubble product (depending on truss/rafter spacing).
- Product will be installed parallel to the truss/rafter direction.
- Begin at the top of the cavity.
- Staple the product (either Staple Tab (ST Reflective/Bubble) or the edge of the BP Reflective/Bubble product) to the side of the top chord of the truss (the structural 2"x 4" (or 2"x 6") that is attached to the roof decking) or the side of the rafter.
- Continue down length of truss/rafter stapling at 2" to 3" intervals - Repeat on opposite truss/rafter.
- Allow for proper ventilation. See note below on ventilation.
- A minimum of a 1/4" continuous air gap should be present between the product and the roof decking
 - Do not staple the product directly to the deck - This product is not perforated and could potentially condensate.
- Do not block any venting (cut around).

Ventilation: Good ventilation in your attic increases your comfort and helps the materials of your house last longer. Be sure not to block ventilation paths when you install Reflectix®.

Review These Important Safety Guidelines Prior to Installation:

- **ALWAYS** check local building codes before installing Reflectix®.
- **ALWAYS** check the area you are insulating and make any needed repairs. Any worn wiring should be replaced before you begin installing Reflectix®.
- **ALWAYS** make sure work areas are well ventilated and well lighted.
- **ALWAYS** use eye protection when operating a staple gun.
- **ALWAYS** use caution and common sense when using a staple gun. Be aware of where electrical wiring is located. Stapling into a wire can cause severe shock or death. **NEVER** staple into electrical wiring.
- **ALWAYS** be careful when working with large pieces of Reflectix® on windy days.
- When installing Reflectix® on bright sunny days, it is best to wear sun glasses.
- Do not work in areas such as attics when temperatures are too hot.
- Visit our website at www.reflectixinc.com for additional product and installation information.

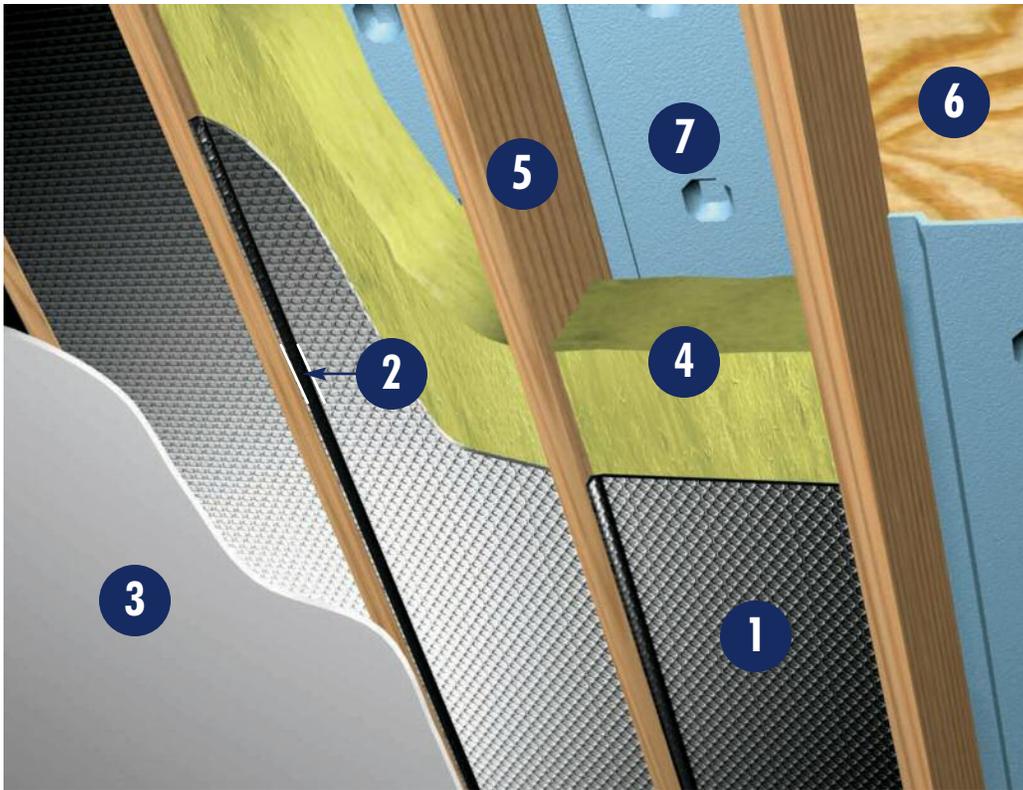
Please Note:

The intention of these Installation Instructions and 3-D renderings are for the sole purpose of illustrating the correct location and relative position of the Reflectix® products in specific building assemblies. The correct construction methods and techniques are the responsibility of the installer or contractor. The methods outlined are recommendations on location of the Reflectix® products as a guideline. There are no claims on the part of Reflectix, Inc. that these building assemblies are finite standards or meet building code requirements (as they can vary by region).



DIY Cathedral Ceiling

Reflectix® Installation Instructions

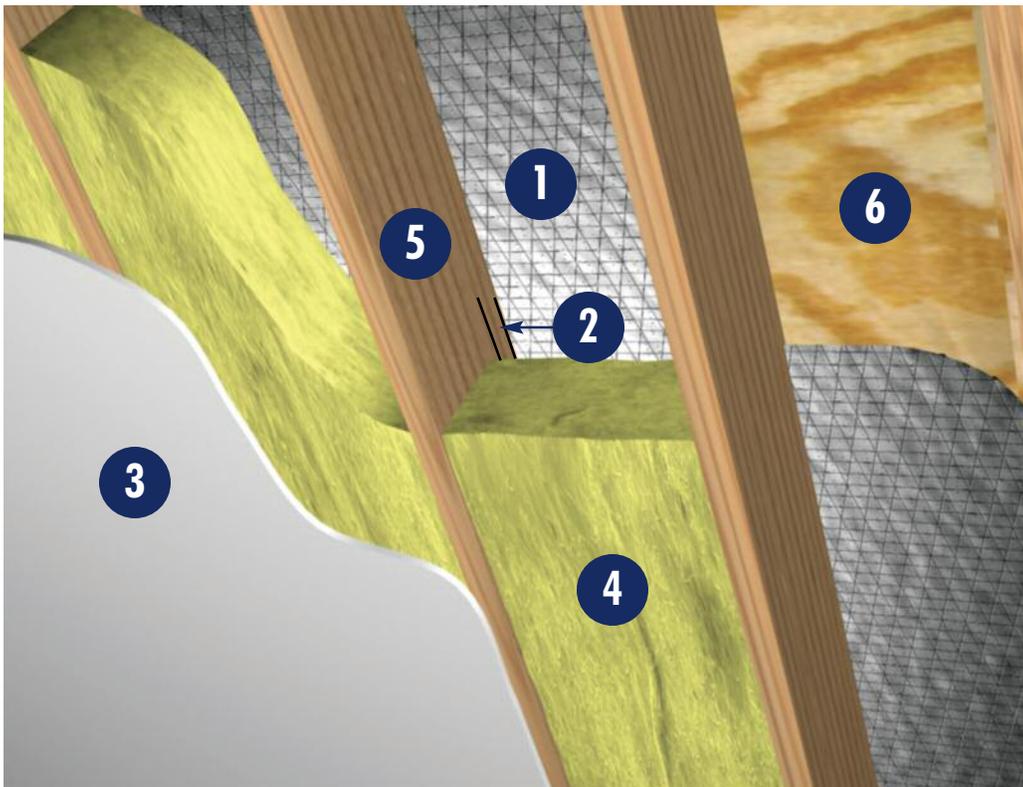


Northern Zone of the USA -
With Reflectix® Below the Mass
Insulation • R-7.0 Summer &
R-1.0 Winter and a Vapor/
Moisture Barrier

1. Reflectix® Insulation
2. Continuous 0.75" Air Space (minimum)
3. Sheet Rock
4. Fiberglass Insulation (non-compressed)
5. Rafter
6. Roof Decking
7. Rafter Cavity Vent

Tools Required:

- Safety Glasses
- Staple Gun
- Tape Measure
- Utility Knife/Scissors



Southern Zone of the USA -
With Reflectix® Above the Mass
Insulation • R-6.0 Summer &
R-2.0 Winter or a Radiant
Barrier - Blocks 96% Radiant
Heat

1. Reflectix® Radiant Barrier
2. Continuous 0.75" Air Space (minimum)
3. Sheet Rock
4. Fiberglass Insulation (non-compressed)
5. Rafter
6. Roof Decking

Tools Required:

- Safety Glasses
- Staple Gun
- Tape Measure
- Utility Knife/Scissors

Recommended Products:

Reflective/Bubble/Bubble/Reflective - Roll: BP24025 (24"x 25'), BP48025 (48"x 25')
Staple Tab, Reflective/Bubble/Bubble/Reflective - Roll: ST16025 (16"x 25'), ST24025 (24"x 25')
Radiant Barrier, Reflective/Woven Fabric/Reflective - Roll (Heavy Duty): RB4812550 (48"x125')

There are two methods for installing Reflectix products in a Cathedral Ceiling. For the Regional Recommendation on which installation method you should consider for your home, please utilize the "Zip Code Zone Locator" function at www.reflectixinc.com/zip-code-zone-locator.



Reflective Insulation

Installation Instructions:

(There are 2 options)

1. Directly to Roof Deck - Above Fiberglass - Southern Zone of the USA Only

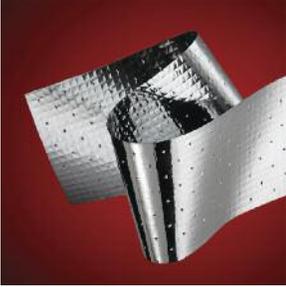
- Benefit - R-6.0 Summer & R-2.0 Winter
- It is easiest to install either 16" or 24" wide product (depending on rafter spacing).
- Begin at the top of the cavity. Run product flush to the decking, parallel to the rafter.
- Staple sheet directly to the deck (nails poking through the Reflectix® product from above will not interfere with performance).
- Do not block any venting (cut around).
- No need to cover rafters (no loop around).
- Ensure that a continuous air space (0.75 inch minimum) is on the bottom side of the Reflectix® product (required and for ventilation).
- Install venting and mass insulation per local codes and manufacturer's installation instructions.

2. Attached to the Lower Edge of the Rafter

Below the Mass Insulation (Fiberglass) - Northern Zone of the USA Only

- Benefit - R-7.0 Summer & R-1.0 Winter and a Vapor/Moisture Barrier
- Either the 16" or 24" wide product (depending on rafter spacing) is recommended.
- The Staple Tab product is the easiest to work with for this application (but the Standard Edge product is equally effective).
- Install venting (required in Cathedral Ceilings) and mass insulation per local codes and manufacturer's installation instructions.
- A minimum of a 0.75" air space is required on the underside (towards the interior of the home) of the Reflectix® product. This air space can be created in one of two installation methods:
 1. Tuck the product up into the cavity and staple to the side of the rafter every 2 to 3 inches fully enclosing the rafter cavity.

2. Staple the product directly to the underside of the rafter every 2 to 3 inches fully enclosing the rafter cavity. Nail 1"x 2" (nominal) furring strips to the underside of the rafter (creating a continuous 0.75" cavity).
- Install interior panel per local codes and manufacturer's installation instructions.



Reflective/Woven Fabric Radiant Barrier

Installation Instructions:

Directly to Roof Decking - Above Fiberglass - Southern Zone of the USA Only

- **Benefit - Radiant Barrier - Blocks 96% of radiant heat**
- **Cut the entire roll of product into 16" or 24" lengths with a miter saw (depending on rafter spacing).**
- **Begin at the top of the cavity. Run product flush to the decking, parallel to the rafter.**
- **Staple sheet directly to the deck (nails poking through the Reflectix® product from above will not interfere with performance).**
- **Do not block any venting (cut around).**
- **No need to cover rafters (no loop around).**
- **Ensure that a continuous air space (0.75 inch minimum) is on the bottom side of the Reflectix® product (required and for ventilation).**
- **Install venting and mass insulation per local codes and manufacturer's installation instructions.**

Ventilation:

If ventilation is specified into your cathedral ceiling system, insure that you do not block ventilation paths when you install Reflectix®.

Review These Important Safety Guidelines Prior to Installation:

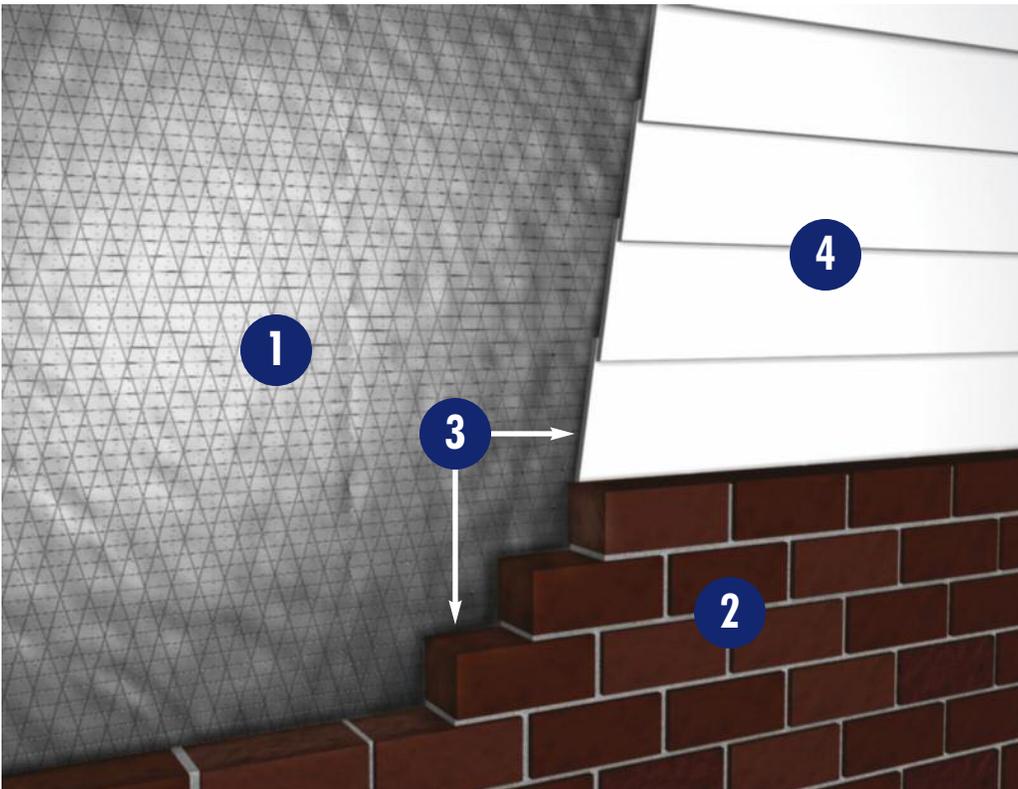
- **ALWAYS check local building codes before installing Reflectix®.**
- **ALWAYS check the area you are insulating and make any needed repairs. Any worn wiring should be replaced before you begin installing Reflectix®.**
- **ALWAYS make sure work areas are well ventilated and well lighted.**
- **ALWAYS use eye protection when operating a staple gun.**
- **ALWAYS use caution and common sense when using a staple gun. Be aware of where electrical wiring is located. Stapling into a wire can cause severe shock or death. NEVER staple into electrical wiring.**
- **ALWAYS be careful when working with large pieces of Reflectix® on windy days.**
- **When installing Reflectix® on bright sunny days, it is best to wear sun glasses.**
- **Do not work in areas such as attics when temperatures are too hot.**
- **Visit our website at www.reflectixinc.com for additional product and installation information.**

Please Note:

The intention of these Installation Instructions and 3-D renderings are for the sole purpose of illustrating the correct location and relative position of the Reflectix® products in specific building assemblies. The correct construction methods and techniques are the responsibility of the installer or contractor. The methods outlined are recommendations on location of the Reflectix® products as a guideline. There are no claims on the part of Reflectix, Inc. that these building assemblies are finite standards or meet building code requirements (as they can vary by region).

DIY House Wrap Behind Brick/Siding

R-3.4 Behind Brick R-2.5 Behind Aluminum or Vinyl Siding Reflectix® Installation Instructions



1. Reflectix® Radiant Barrier
2. Brick
3. Air Space
4. Aluminum or Vinyl Siding

Tools Required:

- Safety Glasses
- Staple Gun
- Tape Measure
- Utility Knife/Scissors

Recommended Product:

Radiant Barrier, Reflective/Scrim/Reflective - Roll: RB4812550 (48"x 125')

Installation Instructions:

- Prior to installing the exterior finish, staple the Reflectix® Reflective/Scrim/Reflective, Radiant Barrier product (either vertically or horizontally) directly to the exterior side of the structural panel.
- Overlap the seams 2". Finish the exterior with brick or aluminum/vinyl siding.

Review These Important Safety Guidelines Prior to Installation:

- **ALWAYS** check local building codes before installing Reflectix®.
- **ALWAYS** check the area you are insulating and make any needed repairs. Any worn wiring should be replaced before you begin installing Reflectix®.
- **ALWAYS** make sure work areas are well ventilated and well lighted.
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