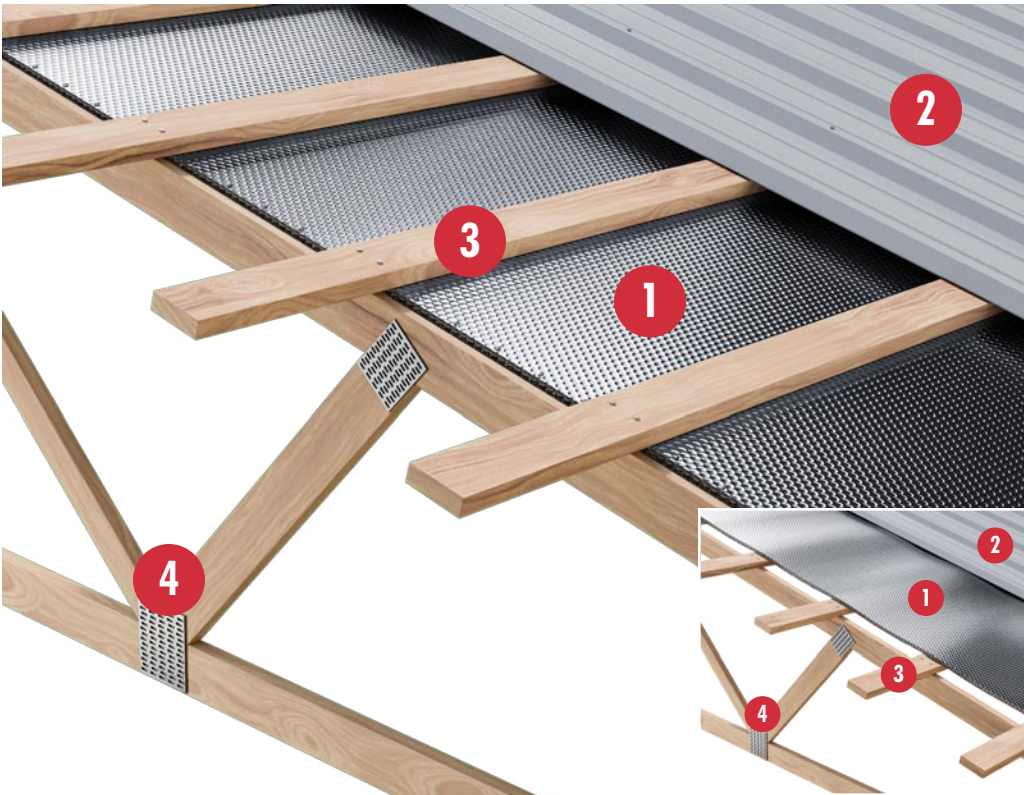


# Post and Frame Building | Roof | New

## Reflectix Installation Instructions



1. Reflectix® Insulation
  2. Exterior Roof Panel
  3. Purlin
  4. Truss
- (Note: Applicable for both diagrams)

**Tools Required:**  
Safety Glasses  
Tape Measure  
Utility Knife  
Staple Gun

### Recommended Products:

- Staple Tab, Reflective/Bubble/Bubble/Reflective - Roll: ST48100 (48" x 100')

### Below the Purlins

Metal Interior · R-11 Heat Flow Down (and a Radiant Barrier) | R-5.1 Heat Flow Up

Open Interior · R-9.0\* Heat Flow Down (and a Radiant Barrier) | R-4.4\* Heat Flow Up

### Above the Purlins

Metal Interior · R-6.8 Heat Flow Down (and a Radiant Barrier) | R-6.0 Heat Flow Up

Open Interior · R-6.4\* Heat Flow Down (and a Radiant Barrier) | R-4.3\* Heat Flow Up

**Please Note:** In addition to the stated R-values, these applications also provide a Radiant Barrier. As a result, a 96% reduction of the radiant energy that ordinarily would be transmitted to the interior of the building, is blocked.

\* Includes thermal resistance of 1.32 UP and 4.55 DOWN for interior air film.

### Installation Instructions: (There are 2 options)

#### 1. Metal Roof with Product below Purlin (first illustration)

- After the trusses are set, run two purlins to make sure the trusses stay true.
- Attach the Reflective/Bubble, Staple Tab product to the first truss with at least 5/16" staples. Temporarily nail a 2" x 4"

block over the end of the product to prevent it from pulling away.

- Roll out the product across the top of the trusses, pull tight and staple at approximately 4" intervals.
- Run subsequent courses of the product with the 3/4" staple tabs overlapping at the seams.
- Tape the seams with a Reflectix® Foil Tape (goal is an air-tight, snug seam seal).
- Install purlins over the insulation. Nail or screw to the trusses through the product.
- Install the metal roof to the purlins.

## 2. Metal Roof with Product above Purlin (second illustration)

- Per instructions above except install Reflectix® Reflective/Bubble Insulation after installing the purlins.
- When installing product, insure that a minimum of a 3/4" drape (middle of cavity) is present.

\* Includes thermal resistance of 1.32 UP and 4.55 DOWN for interior air film.

Calculation Disclaimer: All values are calculated based on the "ASHRAE Handbook of Fundamentals" heat flow up and down.

### 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](http://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).

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