

# Metal Building | Roof | Retrofit

## Reflectix® Installation Instructions



1. Reflectix® Insulation
2. Exterior Roof Panel
3. Purlin
4. 1"x 2" (Nominal) Furring Strip
5. Red Metal (Structural Frame)

### Tools Required:

Safety Glasses  
Tape Measure  
Utility Knife  
Screw Gun  
Staple Gun

### Recommended Product:

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

### Open Interior with 1"x 2" Furring

R-11\* Heat Flow Down (and a Radiant Barrier)

R-4.4\* 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:

- Pre-installation inspection - Check the roof area for clutter, water sprinklers, conduit and lights. Sprinkler systems are especially important. All water pipes must be below the Reflectix® to prevent the possibility of freezing in the winter. In many instances the Reflectix® product must be installed up near the roof deck.
- Install 1"x 2" furring strips on the bottom of and perpendicular to the Z purlins on 22" centers. Utilize 1 1/4" self-tapping sheet metal screws to secure the furring strips to the Z purlins.
- Butt the furring strips together and tape. Staple tape for reinforcement.
- Attach the product using 5/16" staples at approximately 4" intervals.

- Staple the edges of the Reflectix® Reflective/Bubble/Bubble/Reflective, Staple Tab product to the furring strips with the 3/4" tabs (so that they will overlap at the seam).
- Tape the seams with a Reflectix® Foil Tape (goal is an air-tight, snug seam seal).
- Staple product down the middle of the sheet into the furring strip above.

\* 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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