

# Radiant **GUARD**

Protecting Your Energy Costs

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## Installation for New Metal Building Roofs Open Interior With Thermal Break (R-Value 9.2) Without Thermal Break (R-Value 7.6)

Please read and follow all of the steps below to ensure proper installation.

### Products Suggested:

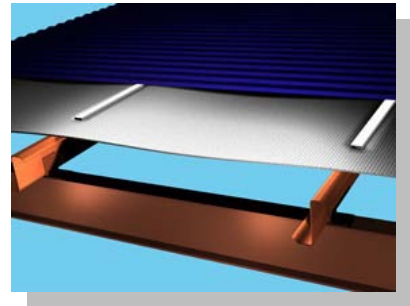
- Radiant GUARD™ FOIL or WHITE Bubble radiant barrier insulation

### Materials Needed:

- Tape Measure
- Utility knife
- Scissors
- Tek screws
- Foil or White tape

### Instructions for thermal breaks (R-Value 9.2):

1. After the red metal is erected, install Radiant GUARD® bubble insulation over the purlins by using 1/2" self-taping metal screws and screwing the bubble insulation to the purlins.
2. Butt ends together and tape with aluminum foil tape. Gaps will cause air infiltration which may cause condensation.
3. Install at least a 3/4" thermal break. If installing a standing seam roof, use clips with thermal breaks.
4. Install roofing either by screwing corrugated metal through the thermal break and bubble insulation to the purlin or install a standing roof seam.
5. If an interior finish is to be installed, attach to the bottom of the purlins. This will create a 3/4" air space between the roofing and the bubble insulation and an 8" air space between the insulation and the interior finish.



### Instructions for no thermal breaks (R-Value 7.6):

1. Per instructions above without a thermal break. When attaching the bubble insulation, make sure the bubble insulation has at least a 3/4" drape between the cavities of the purlins.

