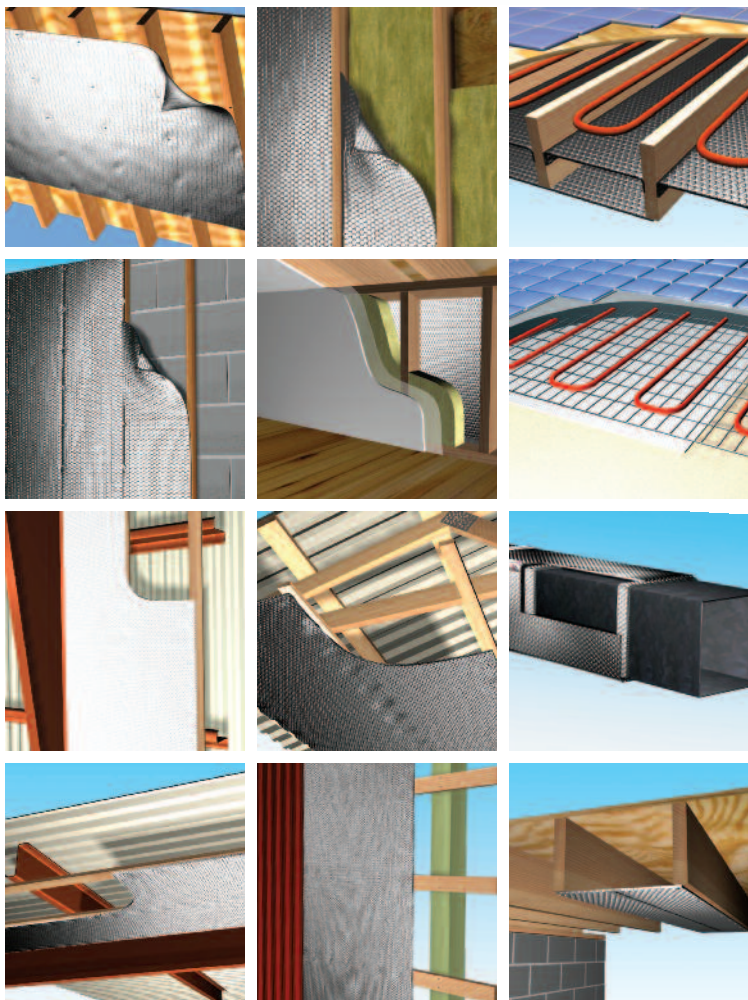


Reflectix, Inc.

# INSULATION SOLUTIONS

## for the Pro



The World's Largest Manufacturer  
of Reflective Insulation



# Reflectix is the Industry Leader!

We manufacture the highest quality, most extensively-tested, readily-available, reflective-based insulations and radiant barriers in the world! With Reflectix® products, there is no middleman. We are the manufacturer and we operate with an ISO 9001:2015 Certified Quality System. Our testing and validation requirements are second to none. Distribution of our products is worldwide through Do-It-Yourself Retailers, Contractor Sales Groups and Industrial/Commercial Building Product Suppliers.

## What are the Advantages of Reflectix® Products?

Ease of installation and diversity of applications are two major advantages. Reflectix® Insulations and Radiant Barriers are very easy to handle and install. All that is required are simple hand tools and access to the installation area. Reflectix® products are some of the most diverse, energy conserving building materials available, with over forty verified applications for residences, industrial/commercial buildings and agricultural structures.

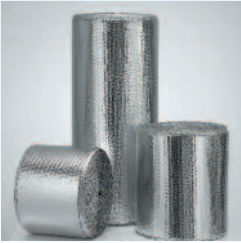
**Note:** An air space facing one reflective side is required for this product to work as designed. R-values may be calculated when a reflective side faces an enclosed air space (a cavity without free air flow). The air space required to meet these applications are included in the installation instructions on the reverse of the product label. Additionally, this information can be found at [www.reflectixinc.com/r-values](http://www.reflectixinc.com/r-values).

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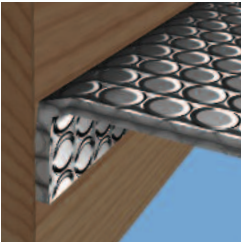
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Double Reflective Insulation



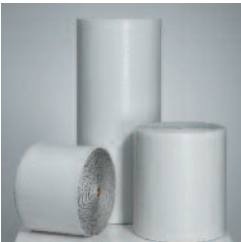
100 Linear Foot Rolls



Staple Tab Application



Single Reflective Insulation



100 Linear Foot Rolls



Foil Tape



White Poly Tape

# Reflectix® Pro Products

## Double Reflective Insulation

### Standard Edge Product

Product consists of two, 96% reflective layers of film bonded to two internal layers of heavy gauge polyethylene bubbles (5/16").

Standard edge product is utilized in applications where a staple tab does not provide an advantage.

- Product Widths: 24" & 48"
- Custom Widths: Up to 10'
- Product Lengths: 50', 100' & 125'

### Staple Tab Product

Staple tab edge product is best utilized when installing product on 16" or 24" centers or inside cavities.

- Product Widths: 16", 24" & 48"
- Custom Widths: Up to 10'
- Product Lengths: 50', 100' & 125'

## Single Reflective Insulation

Product consists of one, 96% reflective layer of film bonded to two internal layers of heavy gauge polyethylene bubbles (5/16").

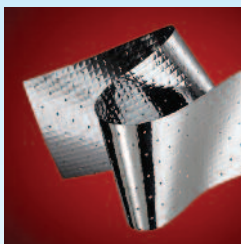
- Single reflective insulation is applicable for installation with a single air space and/or where a white finished interior is specified.
- Standard and Staple Tab edges available.
- Product Widths: 16", 24" & 48"
- Custom Widths: Up to 10'
- Product Lengths: 100' & 125'

## Foil Tape (pictured to the left)

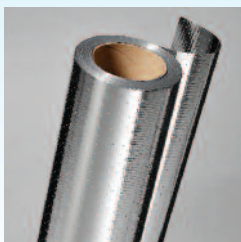
- Product Widths: 2" & 3"
- Product Lengths: 100' & 125'

## White Poly Tape (pictured to the left)

- Product Width: 3"
- Product Length: 165'



Radiant Barrier



125 Linear Foot Roll



Concrete Slab Insulation



100 Linear Foot Roll



Expansion Joint



Sill Seal

# Reflectix® Pro Products

## Radiant Barrier

Product consists of two outer layers of 96% reflective material bonded together enclosing a heavy gauge poly scrim (to provide structure for staples).

- Product Width: 48"
- Product Length: 125'

## Concrete Slab Insulation

Product consists of one layer of aluminum bonded to an external layer of white polyethylene and internally bonded to two layers of heavy gauge polyethylene bubbles (5/16").

- Product Width: 48"
- Product Lengths: 50', 100' & 125'

## Expansion Joint

A closed cell, foam expansion joint.

- Product Widths: 4" & 6"
- Product Length: 50'
- Product Thickness: 1/2"

## Reflectix® Sill Seal

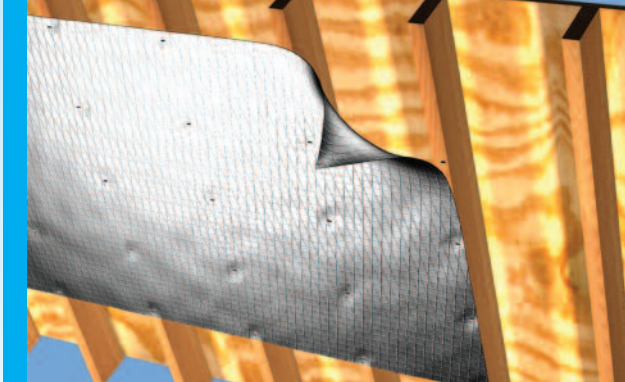
A ribbed polyethylene foam sill seal.

- Product Widths: 3.5", 5.5", 7.5" & 9.5"
- Product Length: 50'
- Product Nominal Thickness: 3/16"

**R-21**



**Crawl Space Application**  
Our product is fiber and itch free with an impressive thermal performance of R-21. (See pg 5).



## Attic

### Radiant Barrier

Reduces a home's AC usage by up to 10%

Improves efficiency of attic-mounted HVAC and ducts

#### Recommended Products:

##### Radiant Barrier

RB4812550 - 48" x 125'

(Refer to page 3 for additional product information)

**Note:** Attic Radiant Barriers provide benefit on hot sunny days. For this reason they are recommended primarily for installation in the Southern Zone of the USA (due to the amount of AC usage) but will provide reduced heat gain into the home wherever they are installed. Verify your location with our Zip Code Zone Locator at [www.reflectixinc.com/zip-code-zone-locator](http://www.reflectixinc.com/zip-code-zone-locator), or call (800) 879-3645.

#### Underside of Rafter Method (depicted above):

- Check the attic for any needed repairs - Unroll the Reflectix® as you work and cut it to suitable lengths (8' to 12') with scissors or utility knife - Allow for proper ventilation - Install product perpendicular to the rafters with a 2" overlap on the seams (No taping required) - Staple 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 - Staple to the face of the studs on gables and insure at least a 1" gap around all vents.

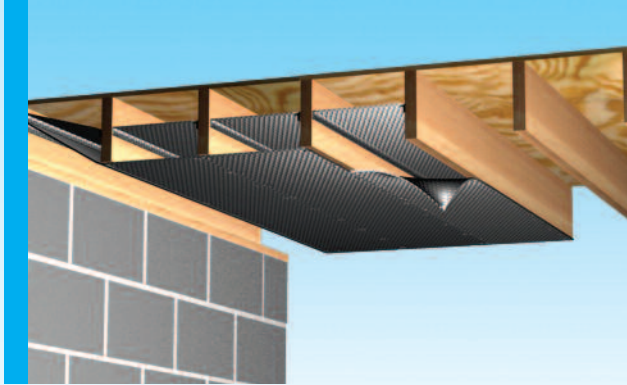
#### Rafter/Truss Cavity Method:

Southern Zone of USA ONLY - Verify location recommendation with our Zip Code Zone Locator at [www.reflectixinc.com/zip-code-zone-locator](http://www.reflectixinc.com/zip-code-zone-locator), or contact our Customer Service Group at (800) 879-3645.

- Staple directly to the decking (in between rafters/trusses).

#### Between the Trusses (Reflective/Bubble Product):

- Install Staple Tab (ST) product to the side of the trusses or rafters (No product in contact with decking).



## Crawl Space

### R-21

#### Recommended Products:

##### Double Reflective Insulation (Standard Edge)

BP24050 - 24" x 50'    BP24100 - 24" x 100'

BP48050 - 48" x 50'    BP48100 - 48" x 100'

##### Double Reflective Insulation (Staple Tab)

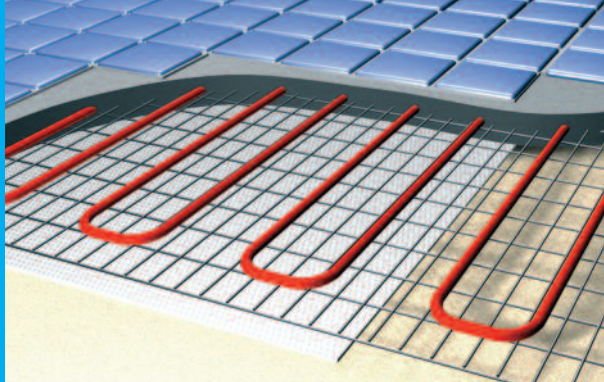
ST16050 - 16" x 50'    ST16100 - 16" x 100'    ST24050 - 24" x 50'

ST24100 - 24" x 100'    ST48050 - 48" x 50'    ST48100 - 48" x 100'

(Refer to page 2 for additional product information)

#### Installation Instructions:

- Inspect the crawl space and make any needed repairs before installing the Reflectix® Reflective/Bubble product.
- For floor joists that are 16" on-center, the installation is easiest with the Reflectix® Staple Tab (ST) product.
- Determine if there are water pipes and heating ducts which hang below the floor joists. They will need to be insulated. Reflectix® Pipe Wrap and Duct Insulations are designed specifically for this use. There is no need to wrap water pipes or duct work that fall between floor joists. Reflectix® will provide adequate insulating without extra wrapping.
- Begin at the end of the house by stapling the product to the top of the band board or subfloor. Insert the product half way up into the joist cavity and staple the product edge to the side of the joist. The goal is to split the joist cavity into two approximately equal enclosed air spaces.
- Follow this step with a second course of product on the bottom surface of the joist. Face staple the edge of the product to the bottom of the floor joists. Seal seams with Reflectix® Foil Tape to create a vapor barrier. At each end of the joist cavity, staple the product to the band board.



## Radiant Floor in a Concrete Slab

### R-1.1

Promotes even heat distribution

#### Recommended Products:

##### Concrete Slab Insulation

DBWEF48050 - 48" x 50'

DBWEF48100 - 48" x 100'

DBWEF48125 - 48" x 125'

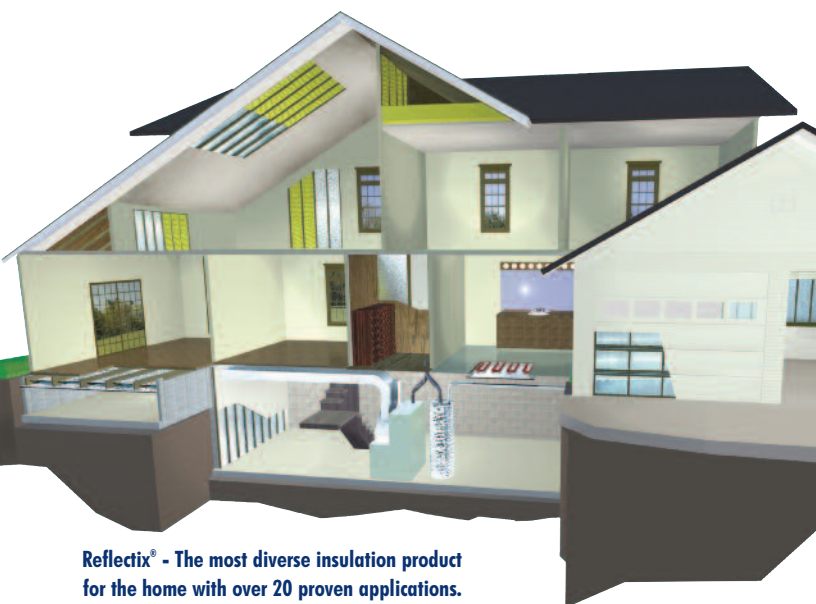
(Refer to page 3 for additional product information)

#### Installation Instructions:

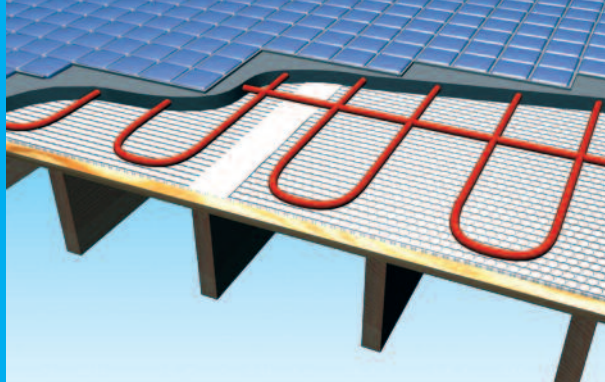
- Unroll the Reflectix® Concrete Slab Insulation product over the base material prior to pouring the concrete.
- Butt the seams of the product and seal with 3" wide white poly tape.

**Note:** Utilize a flat edge taping tool to assure good adhesion on all tape.

- Install Radiant Floor System per manufacturer's specifications.



Reflectix® - The most diverse insulation product  
for the home with over 20 proven applications.



# Radiant Floor Over an Existing Floor

## R-1.1

Increases system efficiency

### Recommended Products:

#### Concrete Slab Insulation

DBWEF48050 - 48" x 50'

DBWEF48100 - 48" x 100'

DBWEF48125 - 48" x 125'

(Refer to page 3 for additional product information)

### Installation Instructions:

- Unroll the Reflectix® Concrete Slab Insulation product over the existing floor prior to pouring the concrete (white poly side up) - Cut the product flush with the walls.
- Butt the seams of the product - Seal with 3" wide white poly tape.

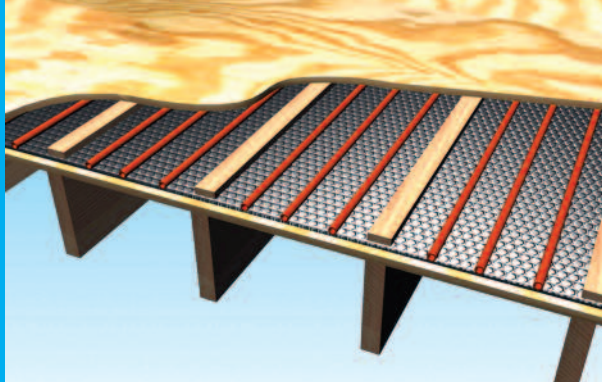
**Note:** Utilize a flat edge taping tool for good adhesion on all tape.

- Install Radiant Floor System per manufacturer's specifications.

### 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.





## Radiant Floor in a Sub-Floor

### R-4.6

Reflects heat up into living space

#### Recommended Products:

Single Reflective Insulation

RDBW48100 - 48" x 100'

(Refer to page 2 for additional product information)

#### Installation Instructions:

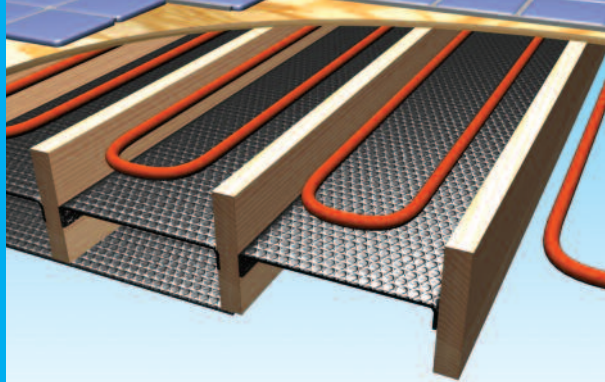
- Unroll the Reflectix® product over the existing floor (reflective side facing up) - Cut the product flush with the walls.
- Butt the seams and seal with 2" wide foil tape.

**Note:** Utilize a flat edge taping tool for good adhesion on all tape.

- Install Radiant Floor System per manufacturer's specifications, sleepers and new (top) subfloor.

- **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.





# Radiant Floor Wood Joists

## R-2.7 to R-21

Reflects 96% radiant energy back into sub-floor

### Recommended Products:

Double Reflective Insulation (Standard Edge)

BP48050 - 48" x 50'    BP48100 - 48" x 100'

Double Reflective Insulation (Staple Tab)

ST16050 - 16" x 50'

ST16100 - 16" x 100'

ST48050 - 48" x 50'

ST48100 - 48" x 100'

(Refer to page 2 for additional product information)

### 1. Underside of Floor Joist - R-21:

- Install product per "Crawl Space" application on page 5.

### 2. Inside Joist Cavity -

#### Air Space Dependent R-value / Radiant Reflector:

- Install a single layer of the Reflectix® Staple Tab product inside the joist cavity - Allow 0.75" to 3.5" below the heating coils (as recommended by the manufacturer).

Examples of benefits based on air space depth above product:

- 0.75" air space = R-4.6
- 3.5" air space = R-8.2

### 3. Inside Joist Cavity w/Mass Insulation Below - Air Space Dependent R-value / Radiant Reflector:

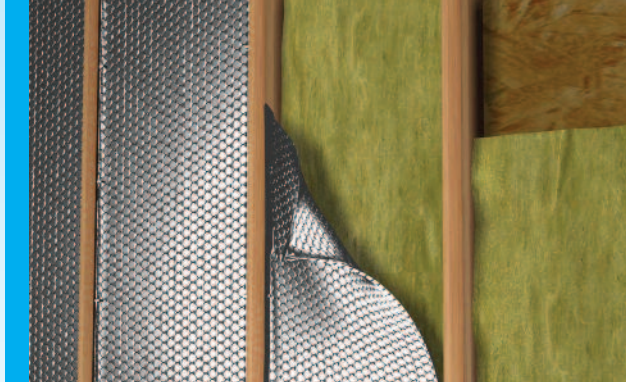
- Install a single layer of the product inside the joist cavity above a mass insulation batt - Utilize Reflectix® Staple Tab product (Refer to method #2).

**Note:** Verify that this method is acceptable for the type of radiant floor system being installed.

### 4. Inside Joist Cavity w/Mass Insulation Above - R-2.7 to R-4.6:

- Install a single layer of the Reflectix® Staple Tab product to the side of the floor joist below the mass insulation.

Examples of benefits based on an enclosed air space depth below product: • 0.5" Air Space = R-2.7 • 0.75" Air Space = R-4.6



## Wall - Exterior

### R-14 or R-21 (w/a Fiberglass Batt)

Excellent upgrade for custom homes

#### Recommended Products:

Double Reflective Insulation (Staple Tab)

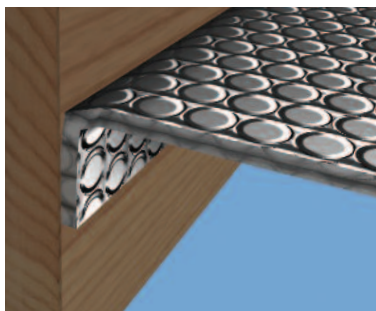
ST16050 - 16"x 50'    ST16100 - 16"x 100'

ST24050 - 24"x 50'    ST24100 - 24"x 100'

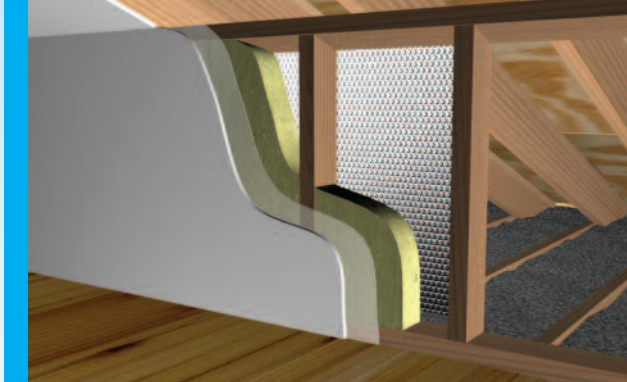
(Refer to page 2 for additional product information)

#### 2 x 4 Wall (R-14) or 2 x 6 Wall (R-21):

- Install R-13 in a 2 x 4 wall (R-19 in a 2 x 6 wall) un-faced, per manufacturer's specifications.
- Place one corner edge of the Reflectix® in an upper corner of the stud cavity.
- Staple the product to the side of the stud (creating a 3/4" tab on the product and compressing into the fiberglass (3/4" as well)).
- The edge of the product should be flush with the forward corner of the stud.
- Proceed "down" stapling to the side of the stud every 2" - 3".
- Repeat procedure on opposite stud.
- The Goal: Create a continuous 3/4" air space between the product and the interior panel.



Pictured: Our Staple Tab product easily and accurately bends to achieve the necessary 3/4" air space.



## Wall - Knee

### R-16 or R-19 (w/a Fiberglass Batt)

Reflects 96% radiant energy back into attic space

#### Recommended Products:

Double Reflective Insulation (Standard Edge)

BP24050 - 24" x 50'    BP24100 - 24" x 100'

Double Reflective Insulation (Staple Tab)

ST16050 - 16" x 50'    ST16100 - 16" x 100'

ST24050 - 24" x 50'    ST24100 - 24" x 100'

(Refer to page 2 for additional product information)

#### 1. In Back of Knee Wall Cavity - R-16 and a Radiant Reflector (with R-13 Fiberglass Batt):

- Install the Reflectix® Staple Tab (ST) product to the inside back of the stud cavity - Continue downward stapling every 3" to 4" - Repeat on opposite stud - Insure there is a continuous 1/2" air gap across the bottom of the cavity.
- If utilizing the non-staple tab product (BP), staple the edge of the product to the back face of the stud, splitting the stud - Insure there is a continuous 1/2" air gap across the bottom of the cavity.
- Install fiberglass batt per manufacturer's instructions.
- Install a vapor barrier on the inside of the knee wall if your building code dictates.

#### 2. In Back of Knee Wall Cavity - R-19 and a Radiant Reflector (with R-13 Fiberglass Batt and 0.75" Furring (on the back of the Knee Wall)):

- Prior to placing the knee wall and nailing it to the floor and rafters, attach a 1" x 2" (nominal) furring strip to the back of each knee wall stud - Install Reflectix® per instruction in Method #1.



## Wall - Masonry

### R-3.7 or R-7.0 and a Vapor / Moisture Barrier

#### Recommended Products:

##### Double Reflective Insulation (Staple Tab)

ST16050 - 16" x 50'    ST16100 - 16" x 100'

ST24050 - 24" x 50'    ST24100 - 24" x 100'

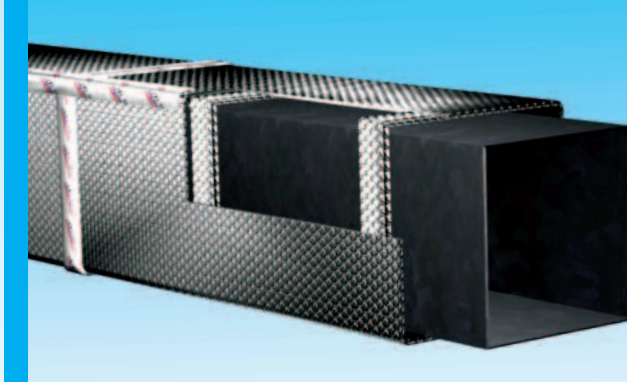
(Refer to page 2 for additional product information)

#### 1. R-3.7 (1" x 2" Nominal Furring):

- Attach 1" x 2" (nominal) furring strips vertically at an interval of 16" (or 24" per code) on center to the masonry wall (with an adhesive or fastener that is specified for this application).
- Cut the Reflectix® Staple Tab product (using scissors or a utility knife) into lengths equal to the height of the wall (floor to ceiling).
- Staple the product to the face of the furring strip - Product seams should split on a furring strip - One air space is created between the Reflectix® and the masonry wall.

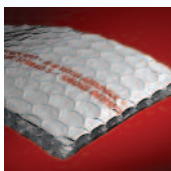
#### 2. R-7.0 (2" x 2" Nominal Furring):

- Same as above, except the product is not stapled to the face of the furring strip - Staple the product to the side of the furring strip at a depth of 3/4" - The goal is to split the cavity (in two) into approximately equal air spaces.
- The two air spaces created are between the Reflectix® and the masonry wall, and the second between the new interior panel and the Reflectix®.



## Duct Bubble Insulation

R-4.2 to R-8.0



**Recommended Product:**  
**R-8.0 Duct Big Bubble Insulation,**  
**HVBB48075 (48" x 75')**

**R-8.0:** This application requires the use of a spacer - Please refer to the "Spacer Options" section below.

- Wrap the duct (per illustration above) and securely tape the linear and circumference seams with UL181 Tape with Acrylic Adhesive.

### R-6.0 and R-4.2 Recommended Product:

Product Ordering Prefix: "HVBP" (example: HVBP48100)

**R-6.0:** Same installation instructions as the R-8.0 Reflectix® Duct Big Bubble Insulation above (requires a spacer).

**R-4.2:** Spiral wrap the product around the duct overlapping 1" - Fasten each end with UL181 Tape with Acrylic Adhesive.

### Spacer Options:

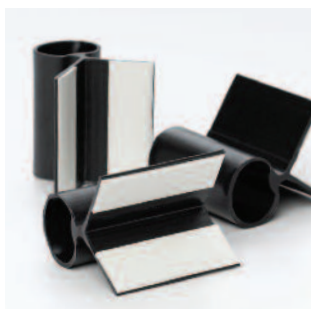
All R-6.0 and R-8.0 applications require the use of a spacer. Two types of spacer options are available:

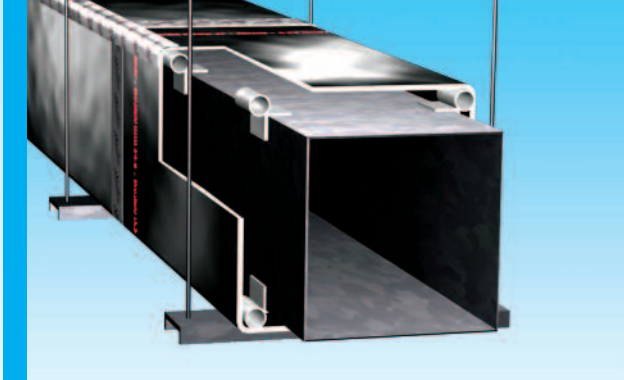
1. HVSP0202506 (2" Spacer Material): Double wrap the duct at intervals of 24" to 36", or double wrap in a candy cane pattern.
2. HVSPACER (Plastic Corner Spacer): Install HV spacers on all 4 corners of the duct every 24". Refer to spacer photos above.

Note: Not to be used as duct liner.



Left: SPW0202506  
 2" Spacer Material  
 Right: HVSPACER  
 Plastic Corner  
 Spacer





## Duct “No Itch” Polyester Fiber Insulation R-8.0

### Recommended Product:

Product Ordering Prefix: “HVRP” (example: HVRP48100)

### Benefits:

- Reduces overall thickness of conventional R-8.0 wrap (3” to 1.25”)
- Inhibits condensation on duct work
- Reduces overall heat loss or gain / Class A/Class 1 Fire Rated
- This application requires the use of a spacer - Please refer to the “Spacer Options” section below left.
- Wrap the duct (per illustration above) and securely tape the linear and circumference seams with UL181 Tape with Acrylic Adhesive.

Note: Not to be used as duct liner.

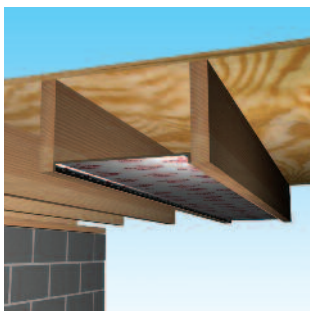
## Return Air Duct Panning

### Recommended Products:

Reflecto Pan HVSB1610003 and HVSB2410002 (16” and 24”x 100’)

### Benefits:

- Less costly than sheet metal or aluminum-clad sandwich panels
- Not affected by moisture or humidity / Reduces plenum noise



- Install print side out - Start at the end of the house and staple product to the subfloor behind the return air grate.
- Continue down the joist cavity stapling to the bottom of the floor joist every 2” to 3”.

Note: Additionally, approved fasteners include steel staples, sheet metal screws and roofing nails.

- Seal seams with UL181 Tape with Acrylic Adhesive.

# Metal Buildings

Reflectix has a variety of product and installation options for the Pro Metal Building Contractor. When it comes to ease of product handling and diversity, our Reflective Insulation Products are second to none. Please review the following information on Metal Building Applications. Additional questions can be addressed on our website at [www.reflectixinc.com](http://www.reflectixinc.com), or by our Customer Service Group at (800) 879-3645.

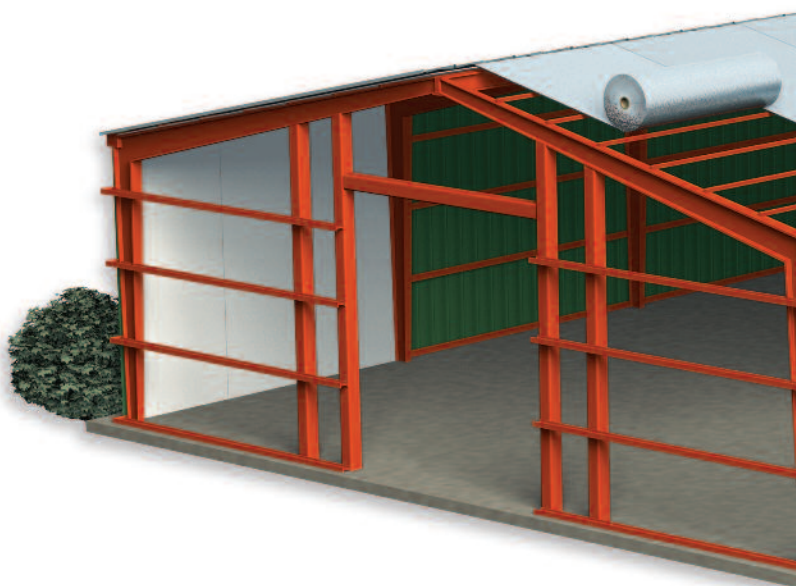
## New Construction:

**Roof:** Install the product over the purlins with 1/2" self-tapping metal screws • Tape the seams with Reflectix® Foil Tape • Install a 3/4" thermal break (optional) • Install roofing either by screwing corrugated metal screws through the thermal break and insulation to the purlin, or install a standing seam roof.

**Wall:** Install the product vertically, using 1 1/4" self tapping screws to the exterior of the C or Z girts • Tape the seams with Reflectix® Foil Tape • Install a 3/4" thermal break (optional) and attach the corrugated metal exterior finish.

## Retrofit:

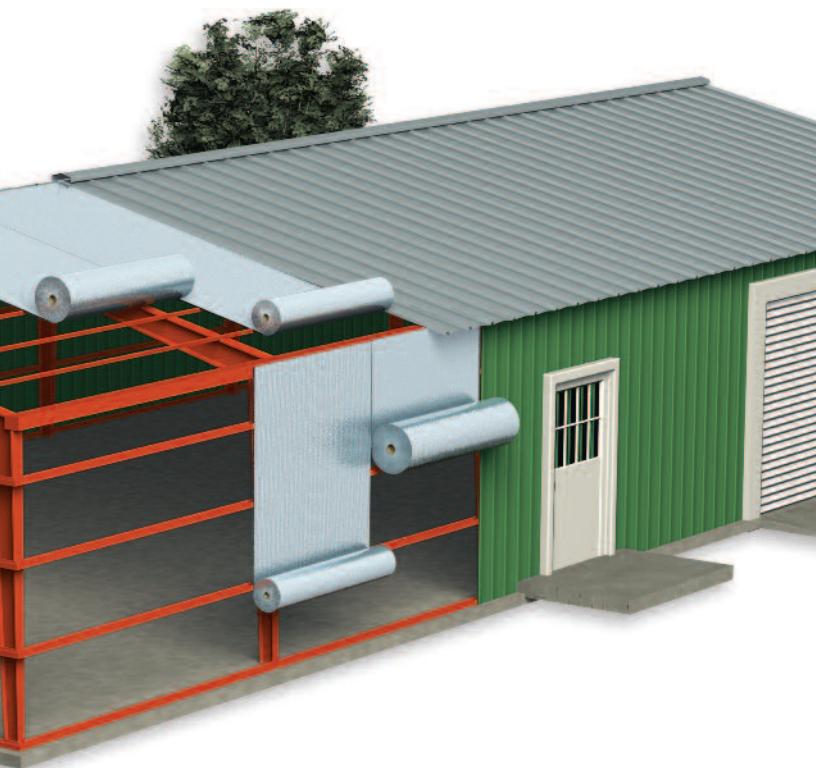
**Roof:** Install 1"x 2" furring strips on the bottom of and perpendicular to the Z purlins on 22" centers • Utilize 1 1/4" self-taping sheet metal screws to secure the furring strips to the Z purlins • Butt the furring strips together, tape and staple (per the photos to the right) • Staple the edges of the product to the furring strips with 3/4" overlap at the seams • Tape the seams with Reflectix® Foil Tape.



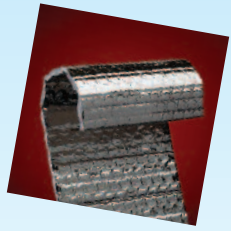


**Wall:** Install 1"x 2" furring strips on the inside and perpendicular to the Z girts on 22" centers • Utilize 1 1/4" self-taping sheet metal screws to secure the furring strips to the Z girts • Butt the furring strips together, tape and staple (per the photos below) • Staple the edges of the product to the furring strips with 3/4" overlap at the seams • Tape the seams with Reflectix® Foil Tape • Staple the product at approximately 4" intervals down the middle of the sheet into the furring strip parallel and centered.

**Note:** The installation instructions are the same for both reflective insulations featured on the next page. The only difference is that the Reflective One Side (product) is installed with the White Poly Side towards the interior of the building.



# Metal Building Roof Applications



## Double Reflective Insulation

### Recommended Products (Roof and Walls):

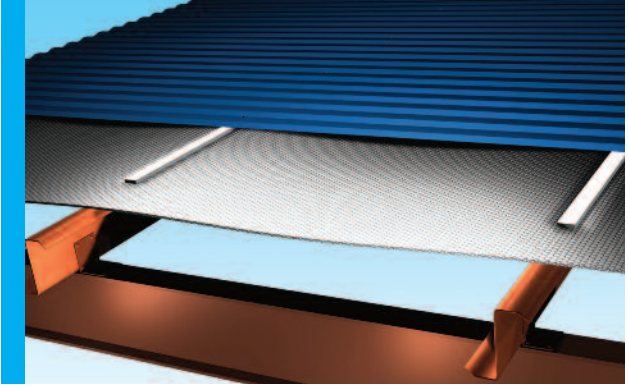
Double Reflective Insulation (Standard Edge)

BP48100 - 48" x 100'

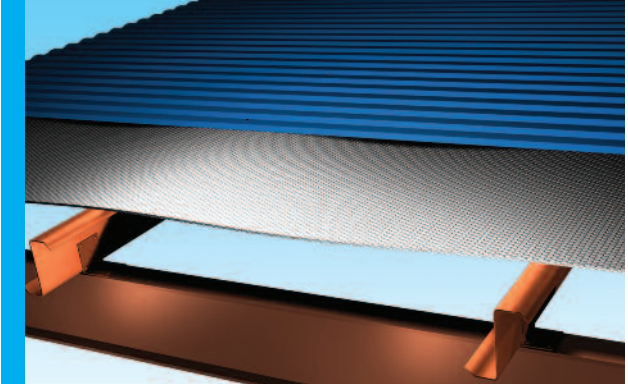
Double Reflective Insulation (Staple Tab)

ST48100 - 48" x 100'

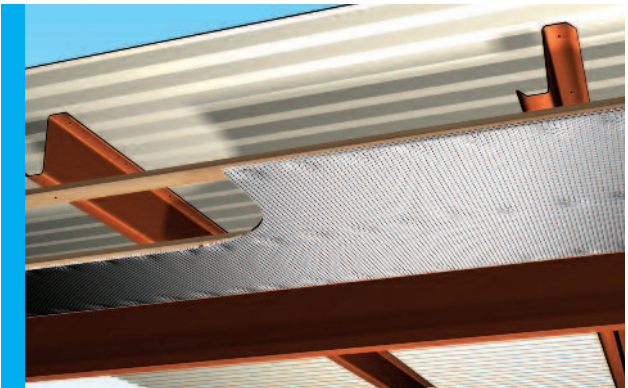
(Refer to page 2 for additional product information)



Roof / New\* (Thermal Break) R-10 Heat Flow Down • R-4.5 Heat Flow Up



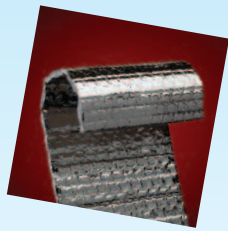
Roof / New\* (No Thermal Break) R-7.6 Heat Flow Down • R-3.9 Heat Flow Up



Roof / Retro\* R-11 Heat Flow Down • R-4.4 Heat Flow Up

# Metal Building Wall Applications

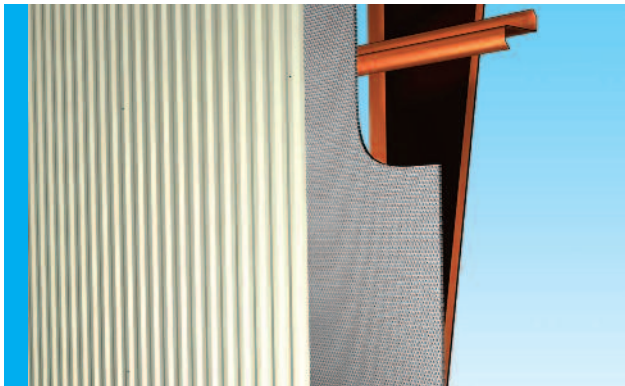
## Double Reflective Insulation



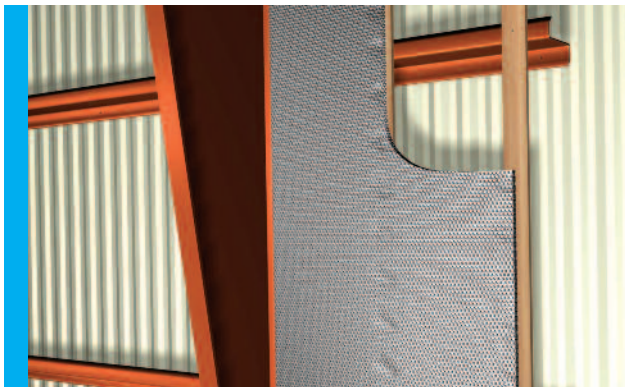
**R-values:** Reflective insulation assemblies in roof cavities are tested for heat flow direction "Up" and "Down" - Homogeneous mass insulation products, when tested in the same manner, provide the same level of benefit (same R-value) for both heat flow directions.



Wall / New (Thermal Break) R-6.0



Wall / New (No Thermal Break) R-4.7



Wall / Retro R-4.5

\* **Please Note:** In addition to the stated R-value, this application also provides 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.

# Post Frame Buildings

Reflectix® Insulation has options for the Post Frame Building Contractor. The “easy to install and handle” feature reduces the labor necessary to install, and provides an “itch free” installation experience. Please review the following information on Post Frame Building Applications. Additional questions can be addressed on our website at [www.reflectixinc.com](http://www.reflectixinc.com), or by our Customer Service Group at (800) 879-3645.

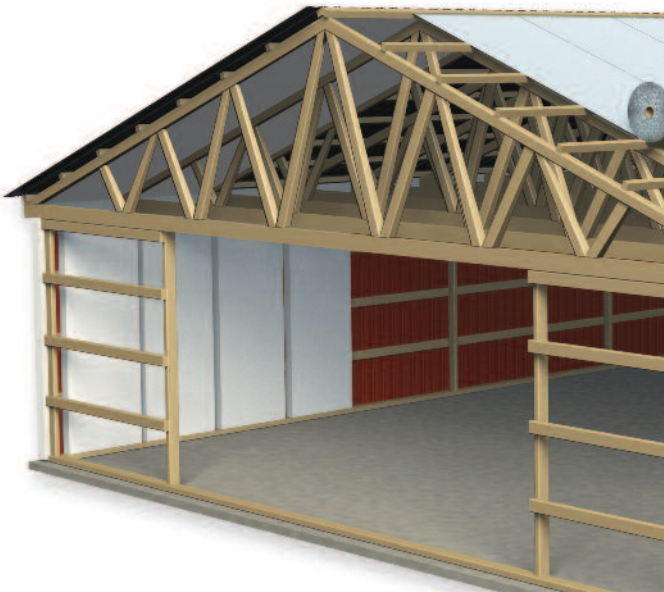
## New Construction:

**Roof - Above the Purlin:** After the trusses are set, run two purlins to make sure the trusses stay true • Attach the 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 • Run subsequent courses of the product with the 3/4” staple tabs overlapping at the seams • Tape the seams with a Reflectix® Foil Tape • Install purlins over the insulation • Nail or screw to the trusses through the product.

**Roof - Below the Purlin:** Per the instructions above, except install product after installing the purlins (Insure a drape of 3/4” (middle of cavity)) is present.

**Wall - Inside the Girts:** Staple the product to the outside of the top girt • Staple the product to the inside of the remaining girts • Tape the seams with a Reflectix® Foil Tape.

**Wall - Outside the Girts:** Staple the product to the outside of the top girt • Staple the product to the outside of the remaining girts •



Insure there is a drape of at least 3/4" (towards the interior of the building) at the center of each cavity • Tape the seams with a Reflectix® Foil Tape.

## **Retrofit:**

**Roof - Below the Purlin:** Refer to the New Construction installation instructions prior.

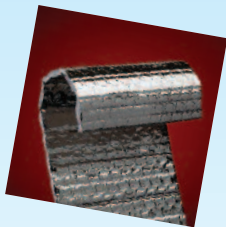
**Roof - Bottom of Truss:** Nail 1"x 2" furring strips on the bottom of and perpendicular to the trusses on 22" centers • Butt the furring strips together, tape and staple (Refer to photos on page 16) • Staple the edges of the product to the furring strips with the 3/4" tabs • Tape the seams with a Reflectix® Foil Tape • Tape any butt seams with Reflectix® Foil Tape, insure taped seam has a good full continuous bond • Staple product at approximately 4" intervals down the middle of the sheet into the furring strip above.

**Wall:** The product can be installed either vertically or horizontally • Attach the product to the inside of the girts using 5/16" staples • Tape the seams with a Reflectix® Foil Tape • Staple product at approximately 4" intervals into the girt.

**Note:** The installation instructions are the same for both reflective insulations featured on the next page. The only difference is that the Reflective One Side (product) is installed with the White Poly Side towards the interior of the building.



# Post Frame Bldg Roof Applications



## Double Reflective Insulation

### Recommended Products (Roof and Walls):

Double Reflective Insulation (Standard Edge)

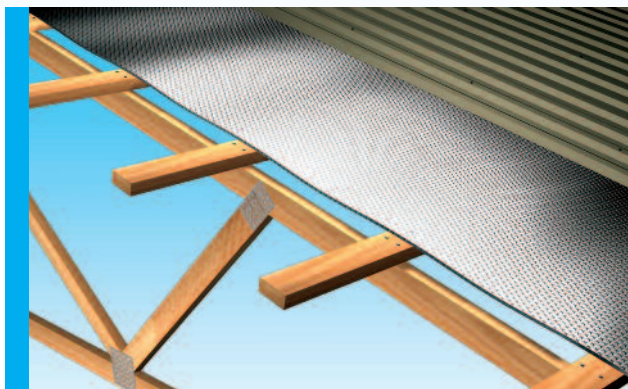
BP48100 - 48"x 100'

Double Reflective Insulation (Staple Tab)

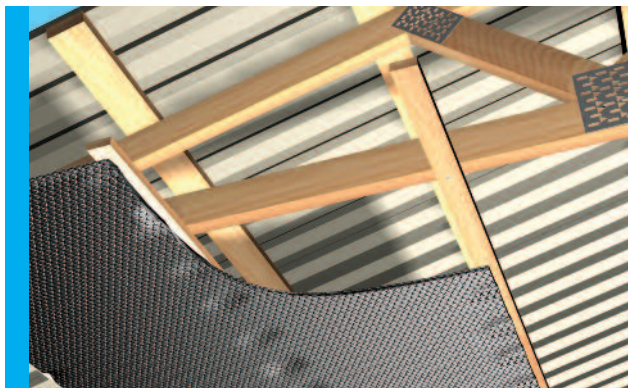
ST24100 - 24"x 100'

ST48100 - 48"x 100'

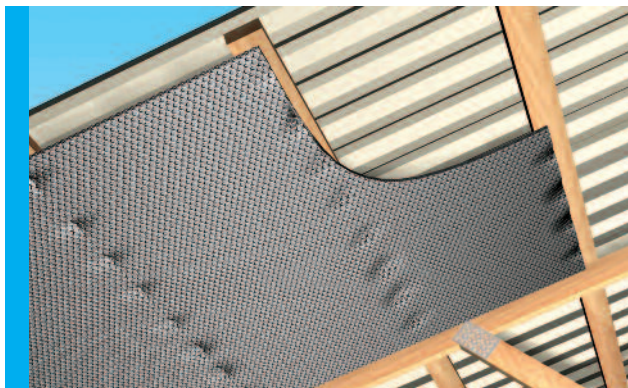
(Refer to page 2 for additional product information)



Roof / New\* (Above Purlins) R-6.4 Heat Flow Down • R-4.3 Heat Flow Up

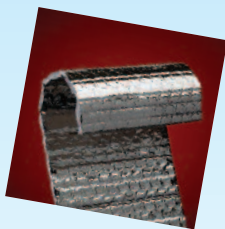


Roof / New / Retro\* (Btm of Trusses) R-10 Heat Flow Down • R-3.7 Heat Flow Up



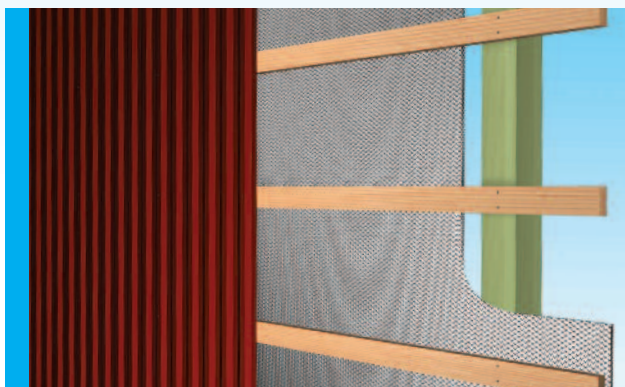
Roof / Retro\* (Below Purlins) R-9.0 Heat Flow Down • R-4.4 Heat Flow Up

# Post Frame Bldg Wall Applications

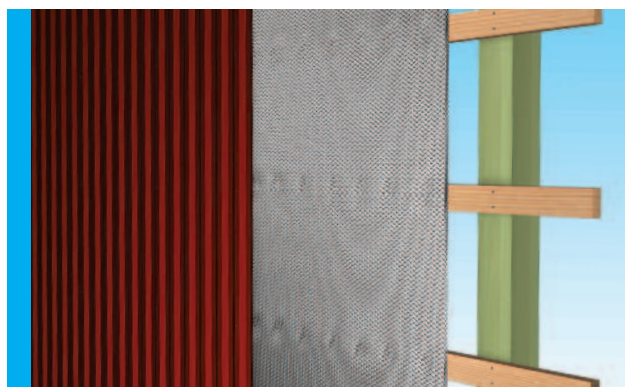


## Double Reflective Insulation

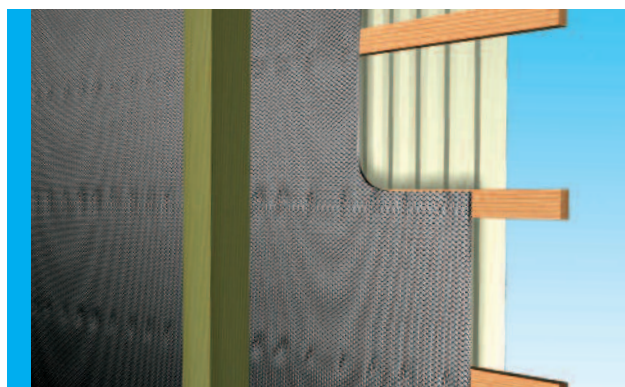
**R-values and Air Spaces:** Please take note as your review the featured applications, all building assemblies include an air space on one or both sides of our products (always on the reflective side of the "Reflective One Side" product). These air spaces are required to provide the stated R-values and must be included in the finished structure.



Wall / New (Product Inside Girts) R-5.3



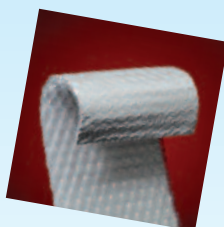
Wall / New (Product Outside Girts) R-4.7



Wall / Retro (Product Inside Girts) R-5.3

\* **Please Note:** In addition to the stated R-value, this application also provides 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.

# Metal Building Roof and Wall Applications



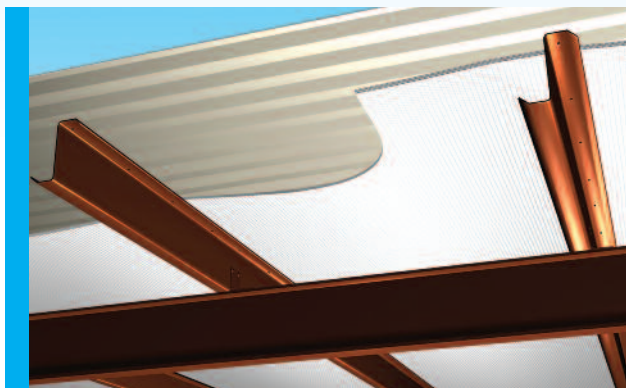
## Single Reflective Insulation

### Recommended Products:

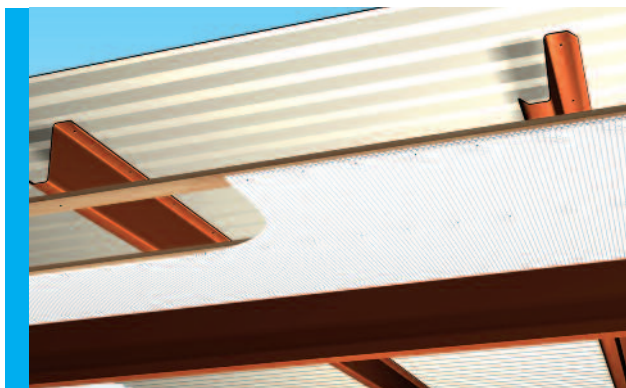
RDBW48100 - 48" x 100' (Standard Edge)

STRDBW48125 - 48" x 125' (Staple Tab)

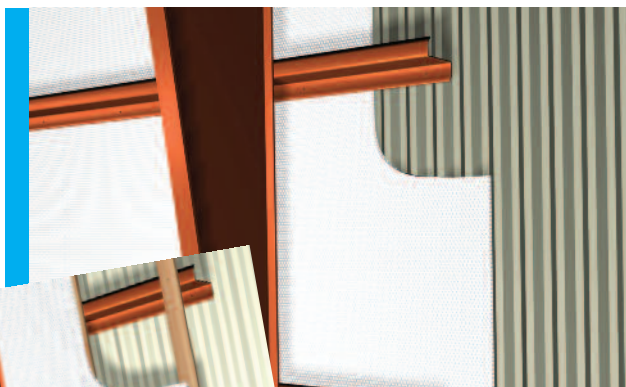
(Refer to page 2 for additional product information)



**Roof / New\* R-4.0 Heat Flow Down • R-3.2 Heat Flow Up**



**Roof / Retro\* R-7.5 Heat Flow Down • R-3.6 Heat Flow Up**



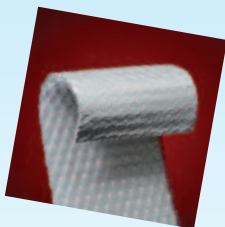
**Wall / New R-3.7**

**Wall / Retro R-3.5**

\* **Please Note:** In addition to the stated R-value, this application also provides 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.



# Post Frame Bldg Roof and Wall Applications



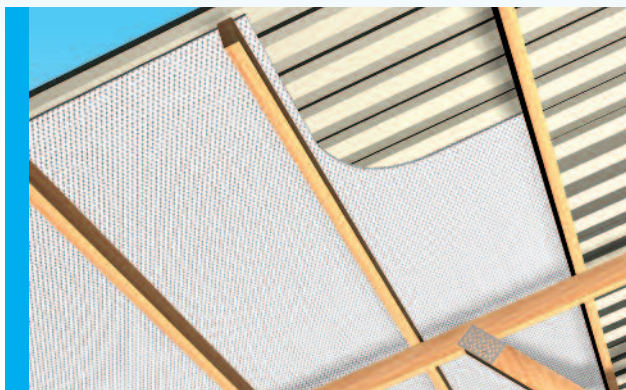
## Single Reflective Insulation

### Recommended Products:

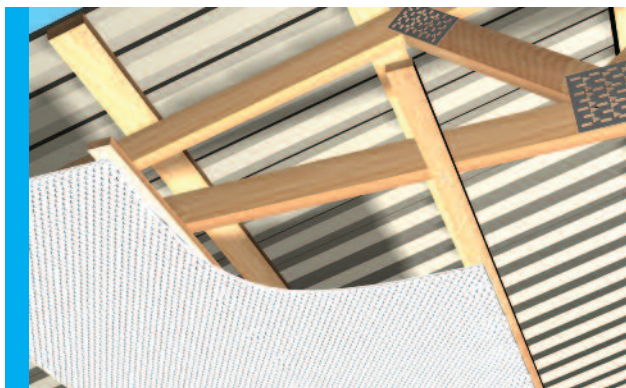
RDBW48100 - 48" x 100' (Standard Edge)

STRDBW48125 - 48" x 125' (Staple Tab)

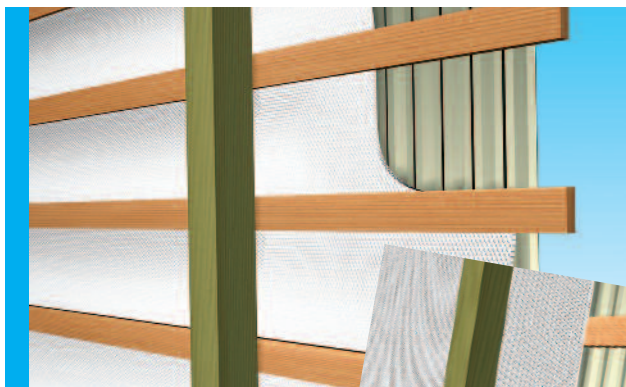
(Refer to page 2 for additional product information)



Roof / New\* R-3.8 Heat Flow Down • R-3.5 Heat Flow Up



Roof / Retro\* R-6.6 Heat Flow Down • R-3.0 Heat Flow Up



Wall / New R-3.7

Wall / Retro R-4.2

\* **Please Note:** In addition to the stated R-value, this application also provides 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.

# Testing and Certifications

All tests on Reflectix® Insulation products are performed at either nationally approved independent laboratories or at leading universities. Tests are performed to current American Society of Testing and Materials (ASTM) Standards when a standard exists.

Testing results on our Reflective Insulation (Reflective/Bubble/Bubble/Reflective) product are listed below. For any additional product specifications for this product (or any other), please refer to our website at [www.reflectixinc.com](http://www.reflectixinc.com), or feel free to call our Customer Service Group at (800) 879-3645.

Nominal Thickness	5/16" (.312)
Weight	0.771 oz./ft <sup>2</sup>
Temperature Range	-60° to 180° F
Flame Spread	Less than 25*
Smoke Development	Less than 50*
Perm. Rating	0.02**
Puncture Resistance	60 lb./in.***
Vapor Transmission	0.02
Mold and Mildew	No Growth
Emittance	0.04
Tensile Strength	3.7 N/mm
Pliability	No Cracking
Hot Surface Performance	Passed (250° F)

**Note:** Not for use in direct contact on surface temperatures that are 180° F or greater.

\* Intertek Testing ASTM Test Method E-84 \*\*ASTM Test E-96 \*\*\*FSTM 101 B Method 2031

## Product Standards

**Resistance to fungi or bacteria:** Reflectix® does not promote the growth of fungi or bacteria.

## Testing and Certification Documents

- Thermal Performance ASTM C1363
- Thermal Performance of Wall Systems ASTM C1363
- Thermal Performance ASTM C335
- Thermal Performance of Crawl Space ASTM C1363
- Hot Surface Performance ASTM C411
- Heat Transfer (Heat Flow Up, Down, Horizontal) ASTM C1363
- Thermal Performance of Reflectix® and Fiberglass in Walls ASTM C1363
- Heat Transfer of Air-Handling Ducts with Reflectix®
- Flame Spread and Smoke Density ASTM E84
- Mounting Method ASTM E2599
- Fungus Resistance Mil-Std 810B Method 508
- Pliability Test ASTM C1224
- Sound Absorption Test ASTM C423 and ASTM E795
- Sound Transmission Loss ASTM E90 and ASTM E413
- Water Vapor Transmission ASTM E96
- Tensile Strength ASTM D751
- Emittance Testing ASTM C1371
- Thermal Performance of Water Heater Jackets
- Intertek: Surface Burning Characteristics of Building Materials ASTM E84 (Taped Joint Detail) Test Report # 3166908SAT-012
- Intertek: Surface Burning Characteristics of Building Materials ASTM E84 (Unslit) Test Report # 3166908SAT-011
- R&D Services: Resistance to the Growth of Fungi ASTM C1338 Test Report # RD072713FR
- State of California
- State of California Licensed Insulation Manufacturer

- **State of Minnesota: Filed with Minnesota Insulation Standards Program**
- **R&D Services Emittance Testing**
- **R&D Services: Physical Properties Sheet Width, Length, Pliability, Water Vapor Permanence and Aged Water Vapor Permanence**
- **R&D Services: Water Vapor Transmission Test ASTM-E96 (Dessicant Method)**

**Notes:**

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## **Reflectix, Inc.**

**#1 School Street (P.O. Box 108)  
Markleville, IN 46056**

**Ph: (800) 879-3645 (US/Can)  
or (765) 533-4332**

**Fax: (765) 533-2327**

**Email: [customerservice@reflectixinc.com](mailto:customerservice@reflectixinc.com)  
[www.reflectixinc.com](http://www.reflectixinc.com)**

**[www.youtube.com/ReflectixInsulation](http://www.youtube.com/ReflectixInsulation)**

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**[www.pinterest.com/reflectixinc](http://www.pinterest.com/reflectixinc)**