



REFLECTIX® SUBMITTAL SHEET

# Radiant Floor in a Subfloor Insulation

Reflectix® has an insulating upgrade available for a radiant floor system installed in a sub-floor. The addition of this Reflective Insulation into this radiant floor assembly will result in a higher level of energy efficiency and a more even floor surface temperature. The bonus characteristic to this product is how easy it is to handle and install.

## Features AT A GLANCE:

Reflectix® Insulation is a labor reducer because of its easy to handle and install characteristics

Reflects 96% of the radiant heat back into the living space

Reduces annual energy costs of the system

## WAREHOUSE LOCATIONS:

Markleville, IN  
Phoenix, AZ  
Greenville, SC  
Chicopee, MA

## PRODUCT DESCRIPTION

The Reflectix® Double Reflective Insulation consists of two layers of highly reflective film (96% reflectivity) that are bonded to two tough layers of polyethylene. Two inner layers of insulating bubbles and a center layer of polyethylene provide this easy to handle product with high strength and reliability.

## BENEFITS

- R-4.6
- Installs quickly and easily
- Fiber-free
- Does not promote the nesting of insects
- Directs heat into living space
- Enhances even heat distribution across the floor surface
- Non-toxic / non-carcinogenic
- ISO 9001:2015 Certified Manufacturing Location

## REFLECTIX® DOUBLE REFLECTIVE INSULATION PART NUMBER AND STOCK SIZE

- HVBP48125 (48" x 125')

## APPLICATIONS

The Reflectix® Reflective Insulation is installed in Radiant Floor Systems in a Sub-Floor and provides an R-4.6 and 96% reflectivity (up).



**REFLECTIVE PRODUCTS**  
A Division of Balcan Innovations, Inc.  
#1 School St. (POB 108)  
Markleville, IN 46056  
(800) 879-3645  
E: customerservice@reflectixinc.com  
www.reflectixinc.com





## TESTING & CERTIFICATIONS

- Thermal Performance Calculation - R&D Services
- Emittance ASTM C1371
- Permeance ASTM E96/E96M
- Flame Spread and Smoke Density ASTM E84
- Hot Surface Performance ASTM C411
- Humidity Resistance ASTM C1258
- Adhesive Performance ASTM C1224
- Pliability ASTM C1224
- Fungi Resistance ASTM C1338
- Puncture Resistance FSTM 101 B Method 2031

## MANUFACTURER'S SUGGESTED INSTALLATION INSTRUCTIONS

**NOTE:** Installation instructions and illustrated drawings are recommendations only, while proper local construction methods are the responsibility of the installer.

**Note:** For all methods (retrofit), inspect the structural integrity of the sub-floor, and make any needed repairs before installing Reflectix®.

- Unroll the Reflectix® Reflective Insulation over the existing floor. Cut product flush with the walls.
- Butt the seams of the insulation and seal with 2" wide foil tape. **Note:** Utilize a flat edge taping tool to assure good adhesion on all tape.
- Install Radiant Floor System per manufacturer's specifications, sleepers and new (top) subfloor.

## TECHNICAL DATA

|                          |                |
|--------------------------|----------------|
| Temperature Range:       | -60° to 180°F  |
| Flame Spread:            | Under 25 *     |
| Smoke Development:       | Under 50 *     |
| Perm Rating:             | .02 **         |
| Puncture Resistance:     | 60 lb./in. *** |
| Vapor Transmission:      | .02            |
| Mold and Mildew:         | No Growth      |
| Emittance:               | 0.04           |
| Pliability:              | No Cracking    |
| Hot Surface Performance: | Passed         |

\* ASTM Test Method E-84 · \*\* ASTM Test E96

\*\*\* FSTM 101 B Method 2031