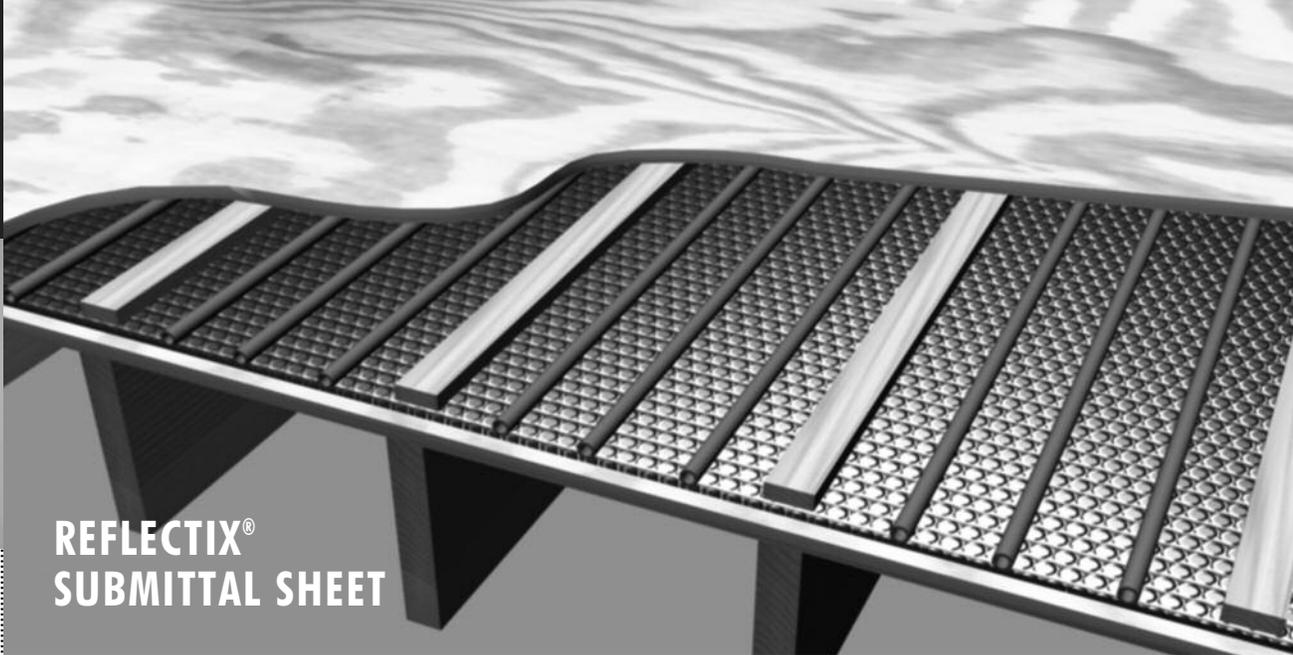


# R-4.6



## REFLECTIX® SUBMITTAL SHEET



### Features AT A GLANCE:

Reflectix® Insulation reduces installation labor because of its easy to handle and install characteristics

Reflects 94% + of the radiant heat back into the living space

Reduces annual energy costs of the system

### WAREHOUSE LOCATIONS:

Markleville, IN

Phoenix, AZ

Greenville, SC

Needham, MA

Reflectix, Inc.  
#1 School St. (PO Box 108)  
Markleville, IN 46056  
(800) 879-3645  
Fax: (765) 533-2327

www.reflectixinc.com

## 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.

### PRODUCT DESCRIPTION

The Reflectix® Double Reflective Insulation consists of two layers of highly reflective film (94%+ 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.

### 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 94%+ reflectivity (up).

### 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 9001:2008 certified manufacturing location

### 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:	Less than 0.06
Pliability:	No Cracking
Hot Surface Performance:	Passed

\* ASTM Test Method E-84 • \*\* ASTM Test E96  
\*\*\* FSTM 101 B Method 2031

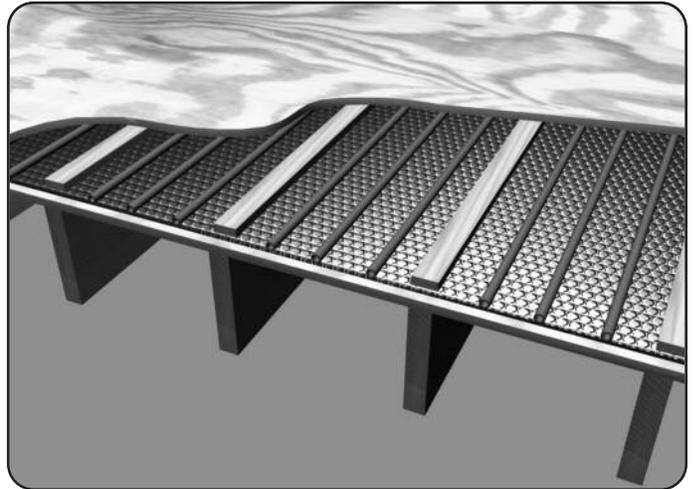


Reflectix® Duct Insulation Products are ETL and Warnock Hersey Listed.



# 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.