MADE IN THE USA
WITH DOMESTIC AND IMPORTED COMPONENTS
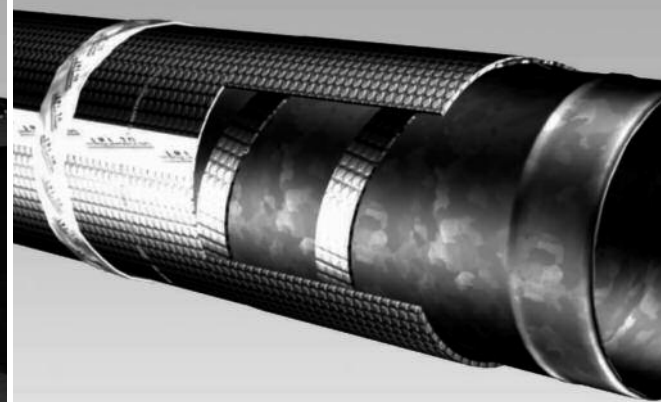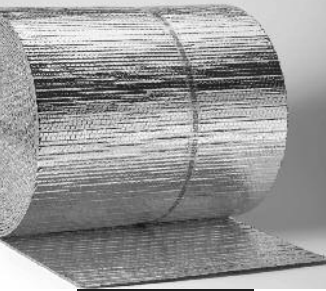
Features
AT A GLANCE:

Reflectix® Duct Insulation may be installed by wrapping rectangular or round ductwork in HVAC applications
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Heating costs can be greatly reduced

Eliminate unnecessary heat loss/gain and air leakage

Helps to ensure consistent temperatures

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

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REFLECTIX®
SUBMITTAL SHEET

DUCT INSULATION R-5.6

Reflectix® Duct Insulation is an alternative to other types of fibrous insulation products. Ease of handling and quick installation make Reflectix® the first choice when selecting insulation for round or rectangular ductwork in HVAC systems. The product provides an R-5.6 when installed with a 0.375" air gap between the duct and the insulation.

PRODUCT DESCRIPTION

Reflectix® Duct 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 resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength. The product has a tape running the length of the roll for easy identification by code officials. The tape identifies the manufacturer and ASTM Testing: *Reflectix® Duct Insulation • ASTM E84 • Class A / Class 1 • ASTM C411 Passed*

BENEFITS

- Non-toxic / non-carcinogenic
- Fiber-free
- Lowers heating and cooling costs year-round
- Reflects 96% radiant heat
- Costs less to install

- Lightweight and clean
- Does not promote nesting of insects or rodents
- Resists growth of fungi, mold and mildew
- Does not require protective clothing or respirators to install
- Not affected by moisture or humidity
- ISO 9001:2015 Certified Manufacturing Location

REFLECTIX® DUCT INSULATION PART NUMBERS AND STOCK SIZES

- HVBP12050 (12" x 50')
- HVBP16050 (16" x 50')
- HVBP24050 (24" x 50')
- HVBP36050 (36" x 50')
- HVBP48050 (48" x 50')
- HVBP60050 (60" x 50')

- HVBP12100 (12" x 100')
- HVBP16100 (16" x 100')
- HVBP24100 (24" x 100')
- HVBP36100 (36" x 100')
- HVBP48100 (48" x 100')
- HVBP60100 (60" x 100')

- HVBP12125 (12" x 125')
- HVBP16125 (16" x 125')
- HVBP24125 (24" x 125')
- HVBP36125 (36" x 125')
- HVBP48125 (48" x 125')
- HVBP60125 (60" x 125')

APPLICATIONS

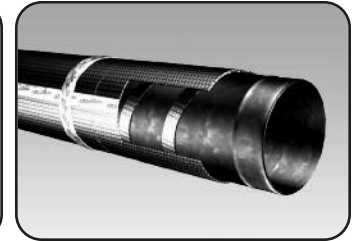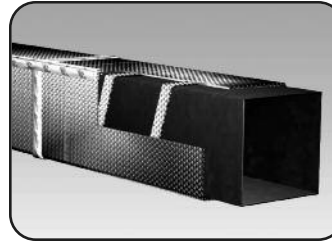Rectangular and Round return and supply ductwork in HVAC systems

TESTING & CERTIFICATIONS

- **Thermal Performance ASTM C335**
- **Hot Surface Performance ASTM C411**
- **Flame Spread and Smoke Density ASTM E84**
- **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**
- **Bleeding and Delamination ASTM C1668**
- **Intertek: Surface Burning Characteristics of Building Materials ASTM E84-08 (Taped Joint Detail) Test Report # 3166908SAT-012**
- **Intertek: Surface Burning Characteristics of Building Materials ASTM E84-08 (Unslit) Test Report # 3166908SAT-011**
- **R&D Services: Resistance to the Growth of Fungi ASTM C1338-00 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 ASTM C1371**
- **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)**

Technical Data:	
Temperature Range:	-60° to 180° F
Nominal Thickness:	5/16 inch (.312)
Weight:	0.771 oz./sq. ft.
Flame Spread Index (ASTM E 84):	Less than 25
Smoke Developed Index (ASTM E 84):	Less than 50
Mounting Method (ASTM E 2599)	
Fire Rating:	Class A/Class 1
Linear Shrinkage:	None
Reflectance (IR):	96%
Water Vapor Transmission (ASTM E 96):	0.02
Puncture Resistance:	60 lb./in.
Mold and Mildew:	No Growth
Emittance:	0.04
Tensile Strength:	3.7 N/mm
Pliability:	No Cracking
Hot Surface Performance:	Passed (250° F)

<u>Note</u>: Not for use in direct contact on surface temperatures that are 180° F or greater.

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.

SPACER WRAPPED IN A CANDY CANE FASHION
SPACER: HVSPW02025 - REFLECTIX® SPIRAL PIPE WRAP 2"x 25'

- **Refer to the two diagrams above.**
- **Make sure all sheet metal joints, seams and penetrations are sealed.**
- **Wrap and secure spacer material to the duct in a candy cane fashion. Proceed down the duct in one direction with a repeat of the wrap at 12" intervals. Use a UL181 Tape with Acrylic Adhesive to fasten the spacer in place.**
- **Verify the circumference of the duct with the spacer strip in place.**
- **Cut the Reflectix® product to this length plus 1".**
- **Wrap the product around the duct and securely tape the linear and circumference seams (overlapping 1"- 2") with a UL181 Tape with Acrylic Adhesive (goal is an air-tight, snug seam seal).**
- **Do not leave any exposed duct or space where air can enter between the duct and the Reflectix®.**

PLEASE NOTE REGARDING HANGERS:
<u>Strap Hanger:</u> Wrap Reflectix® with the seam at the hanger. Tape seam tightly around hanger.
<u>Saddle Hanger:</u> Make sure that there is a spacer below the hanger between the insulation and the duct to prevent the insulation from touching the duct.

NOTE: Not to be used as duct liner.