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 outdoor round or rectangular ductwork. The product provides an R-8.0 when installed with two 0.75" air gaps between the duct and two layers of the insulation.

**Product Description**
Reflectix® Outdoor Duct Insulation consists of two outer layers of aluminum foil that reflect 97% or radiant heat. The outside layer of foil is made of heavier foil. Each layer of foil is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength.

**Benefits**
- Non-toxic / non-carcinogenic
- Fiber-free
- Lowers heating and cooling costs
- Reflects 97% radiant heat
- Costs less to install
- Lightweight and clean
- Does not require protective clothing or respirators to install
- Does not promote nesting of birds, insects or rodents
- Resists growth of fungi, mold and mildew
- Not affected by moisture or humidity
- ISO 9001:2015 Certified Manufacturing Location

**Technical Data:**
- Temperature Range: 250° Operational
- Nominal Thickness: 5/16 inch (.312"
- Weight: 1.25 oz./sq. ft.
- Flame Spread Index (ASTM E 84): Less than 25
- Smoke Developed Index (ASTM E 84): Less than 50
- Fire Rating: Class A/Class 1
- Linear Shrinkage: None
- Reflectance (IR): 97%
- Water Vapor Transmission (ASTM E 96): 0.02
- Puncture Resistance: 60 lb./in.
- Mold and Mildew: No Growth
- Emittance: 0.03
- Tensile Strength: 3.7 N/mm
- Pliability: No Cracking
- Hot Surface Performance: Passed

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

**Applications**
Install Reflectix® Outdoor Duct Insulation on the exterior of rectangular or round sheet metal ducts and spaces, or surfaces where temperature and condensation must be controlled.

**Features**
- AT A GLANCE:
  - Reflectix® Duct Insulation may be installed by wrapping rectangular or round ductwork in HVAC applications
  - 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

**Reflectix® Duct Insulation Part Numbers and Stock Sizes**
- CDW48050 (48" x 50')
TESTING & CERTIFICATIONS

- Thermal Performance ASTM C518
- Hot Surface Performance ASTM C411
- Flame Spread and Smoke Density ASTM E84
- Fungus Resistance Mil-Std 810B Method 508
- Pliability Test ASTM C1224
- Water Vapor Transmission ASTM E96
- Tensile Strength ASTM C751
- Emittance Testing ASTM C1371
- State of California
- State of Minnesota Licensed Insulation Manufacturer
- State of Minnesota Filed with Minnesota Insulation Standards Program
- R&D Services Emittance Testing
- Warnock Hersey Professional Services, LTD: Physical Properties Sheet Width, Length, Pliability, Water Vapor Permanence and Aged Water Vapor Permanence Report #1/92
- Warnock Hersey Professional Services, LTD: Water Vapor Transmission Test ASTM-E96 (Dessicant Method) Report #1/91

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.

HV SPACERS AFFIXED TO CORNERS METHOD (RECTANGULAR DUCTS ONLY)

SPACER: HVSPACER (REFLECTIX® HARD PLASTIC CORNER SPACER)

- Refer to the diagrams above.
- Make sure all sheet metal joints, seams and penetrations are sealed.
- Make sure the duct is free from dust and dirt by wiping it down with a shop rag.
- Install the HV Spacers to all 4 corners of the duct.
- Place the spacers every 24”.
- Verify the circumference of the duct over the top of the spacers.
- Cut the Reflectix® to this length plus 1”.
- Wrap the product over the spacers.
- Fasten the Reflectix® by either taping the seam with Butyl Foil Tape, or plier stapling the two edges together (goal is an air-tight, snug seam seal).
- Repeat the following steps over the outside of the first layer of insulation.
- Install the HV Spacers to all 4 corners (of the duct) on the product directly above the already affixed HV Spacers.
- Verify the circumference of the duct over the top of the spacers.
- Cut the insulation to this length plus 1”.
- Wrap the product over the spacers. Note: The heavier “reflective layer” side of the product should face the environmental elements.
- Fasten the Reflectix® by either taping the seam with Butyl Foil Tape, or plier stapling the two edges together (goal is an air-tight, snug seam seal).
- If the duct is supported with saddle clamps, make sure to install a spacer on the two bottom edges of the duct directly between the clamp and the duct.
• If the clamps are installed around the duct (such as plumbers tape), make sure that the seam is taped to prevent air movement.

PLEASE NOTE REGARDING HANGERS:
Strap Hanger: Wrap Reflectix® with the seam at the hanger. Tape seam tightly around hanger.
Saddle Hanger: 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.