

Reflectix

Reflectix® Insulation is Your Shining Solution!

www.reflectixinc.com

OUTDOOR DUCT INSULATION

R-6.0



Features at a Glance:

Heating costs can be greatly reduced

Eliminates unnecessary heat loss/gain and air leakage

Helps to ensure consistent temperatures

Save on labor expenses

Conforms to duct surface easily for faster installation

Reflectix® Outdoor Duct Insulation consists of two outer layers of aluminum foil that reflect 97% of 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.

Uses:

Reflectix® Outdoor Duct Insulation may be installed by wrapping exterior rectangular or round ductwork in HVAC applications. When wrapping the duct the heavier foil layer should face environmental elements.

Benefits:

- Non-toxic/non-carcinogenic
- Fiber free
- Energy efficient

Technical Data:

Temperature Range:	250° Operational
Nominal Thickness:	5/16 inch (.312)
Weight:	1.25 oz./sq. ft.
Flame Spread Index (ASTM E 84):	20
Smoke Developed Index (ASTM E 84):	30
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:	0.3
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.

- Reduce heating/cooling cost
- Reflects 97% radiant heat
- Environmentally safe
- Costs less to install
- Lightweight and clean
- Not affected by moisture/humidity
- No nesting characteristics for birds/insects/rodents
- Resists growth of fungi, mold and mildew
- No need for protective garments or respirators when installing
- Permanent and maintenance free
- QS 9000 & ISO 9001 certified manufacturing location

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Testing and Certification:

All tests on Reflectix® Insulation 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. For a copy of any of the actual test reports, call 1 (800) 879-3645.

Product Standards:

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

Specification compliance: Reflectix® is covered under the Federal Minimum Standards Code for reflective insulation (HH-I-1252B) for all H.U.D. and F.H.A. projects.

Available Testing/Certifications:

- **Thermal Performance** ASTM C518
- **Hot Surface Performance** ASTM C411
- **Heat Transfer of Air-Handling Ducts with Reflectix®**
- **Flame Spread and Smoke Density** ASTM E84
- **Adhesive Bleeding** ICBO Acceptance Criteria
- **Flammability** FMVSS 302
- **Fungus Resistance Mil-Std 810B** Method 508
- **Pliability Test**

- **Sound Absorption Test** ASTM C423-90a and ASTM E795-83
- **Sound Transmission Loss** ASTM E90-90 and ASTM E413-87
- **Water Vapor Transmission** ASTM E96
- **Tensile Strength**
- **Emittance Testing**
- **NVLAP Approved Lab Test: Adhesive Bleeding per ICBO Evaluation Service** Report # LA 73577
- **NVLAP Approved Lab Test: Flame Spread Classification/Smoke Density Developed (Taped Joint Detail)** Test Report # LA 62595-1
- **NVLAP Approved Lab Test: Flame Spread Classification/Smoke Density Developed (Unslit)** Test Report # LA62517-2
- **NVLAP Approved Lab Test: Flammability of Interior Materials** Report # LA72357-2
- **NVLAP Approved Lab Test: Fungus Resistance MIL-STD-810B** Method 508 Report # LA 73598
- **R&D Services** Emittance Testing

Installation:

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. Reflectix® Outdoor Duct Insulation will save on labor expenses. The insulation conforms to duct surface easily for faster installation.

