

Reflectix

Reflectix® Insulation is Your Shining Solution!

www.reflectixinc.com

R-4.0



Features at a Glance:

Reduce condensation
on cold pipes and
heat loss on hot pipes

Eliminate unnecessary
heat loss

Recovery time greatly
reduced

Reflectix® Insulation consists of two outer layers of aluminum foil that reflect 97% of radiant heat. 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® Pipe Wrap may be installed by spiraling or wrapping water pipes.

Benefits:

- Non-toxic/non-carcinogenic
- Fiber free
- Energy efficient
- Reduce heating/cooling cost
- Reflects 97% radiant heat
- Environmentally safe
- Vapor/radon retarder
- Costs less to install

PIPE WRAP

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.

- 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



Reflectix® Pipe Wrap Products
are ETL and Warnock Hersey Listed.

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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.

Reflectix® products have been evaluated by the following:

- S.B.C.C.I. PST & ESI Evaluation Report No. 94102A
See Evaluation Reports listed above for allowable values and/or conditions of use concerning material presented in this document.

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
- 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
- Southern Building Codes Congress International (SBCCI)
Report # PST & ESI 9375
- 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

Installation:

- 1) Simply spiral Reflectix® Pipe Wrap around your pipes, overlapping 1/2" as you go.
- 2) Securely tape with UL181 approved HVAC foil tape around each end of your wrapped product. This procedure provides an air space that will aid the insulation value. Do not leave any exposed pipe or space where air can enter between the pipe and the wrap.

