

Reflectix

Reflectix® Insulation is Your Shining Solution!

www.reflectixinc.com

LINEAR PIPE WRAP

R-4.0



Features at a Glance:

Reduces condensation
on cold pipes

Reduces heat loss
on hot pipes

Permanent

Reflectix® Single Bubble White Insulation consists of an outer layer of aluminum foil that reflects 97% of radiant heat. The layer of foil is bonded to a tough layer of polyethylene for strength. An inner layer of insulating bubbles resist conductive heat flow while an additional layer of polyethylene gives Reflectix® high reliability and strength. The last layer is composed of a sheet of white polyethylene.

Uses:

Used to insulate hot and cold water pipes.

Benefits:

- Non-toxic/non-carcinogenic
- Fiber free
- Energy efficient
- Reflects 97% radiant heat
- Environmentally safe
- Not affected by moisture/humidity
- Does not compress, collapse or disintegrate
- Resists growth of fungi, mold and mildew
- No need for protective garments or respirators when installing

Technical Data:

Temperature Range:	-60 degrees to +180 degrees F
Nominal Thickness:	5/32 inch (.156)
Weight:	.47 oz./sq. ft.
Flame Spread Index (ASTM E 84):	70
Smoke Developed Index (ASTM E 84):	30
Fire Rating:	Class C/Class 3
Linear Shrinkage:	None
Reflectance (IR):	97% (foil side)
Water Vapor Transmission (ASTM E 96):	0.02 Perms
Puncture Resistance:	60 lb./in.
Mold and Mildew:	No Growth
Emittance:	.03
Tensile Strength:	3.7 N/mm
Pliability:	No Cracking

Reflectix, Inc.

P.O. Box 108
Markleville, IN 46056
(800) 879-3645
Fax: (765) 533-2327
www.reflectixinc.com

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:

- Los Angeles County Evaluation Report No. RR8099

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
- Flame Spread and Smoke Density ASTM E84
- Flame Spread and Smoke Density Single Bubble White ASTM E84
- Adhesive Bleeding ICBO Acceptance Criteria
- 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
- State of California
- State of California Licensed Insulation Manufacturer
- State of Minnesota: Filed with Minnesota Insulation Standards Program
- State of Wisconsin: Wisconsin Material Approval, Safety and Buildings Division Approval # 920088-1
- Tennessee Technological University Emittance Testing

Installation:

To help reduce condensation on cold pipes and heat loss on hot pipes, wrap them with Reflectix® Insulation.

- 1) Cut a length of pipe wrap from the roll that will be easy to handle in your working area. Place the white side of the insulation next to the pipe.
- 2) Pre-shape the insulation by wrapping it around the pipe. This will make the taping easier and help to form a better seal.
- 3) Remove the protective backing from the tape and overlap the edge so it just covers the tape area. On small pipes this will produce a loose fit and on larger pipes, a snug fit. Insulation value is not affected by a loose or tight fit.

