



Duct Insulation

R-4.2 and R-6
(2290 and 9290 Series)

rFOIL™ Applications:

- Duct Wrap Insulation
- Suitable for all metal ductwork
- Residential and Commercial
- Indoor Insulation Use (2290 Series)
- Outdoor Insulation Use (9290 Series)

rFOIL™ Benefits:

- Meets R-4.2 and/or R-6 Insulation Code Requirements
- Aluminized Surfaces Provide Unmatched Thermal Performance which stops Virtually ALL Heat from Radiating In or Out of Duct Systems
- Greatly Improves HVAC System Efficiency
- Lowers Run-Time and Increases Lifespan of Heating & Cooling Systems
- Reduces Energy Usage and Utility Bills ... Saves \$\$\$
- Impermeable Thermal Core Provides Tremendous Condensation Control
- Easy, Clean, and Safe to Install
- Achieve R-Values with Less Material Thickness
- No Protective Equipment or Clothing Required
- No ITCH or Exposure to Dangerous Glass Fibers
- Will Not Harbor Mold, Mildew or other Fungi
- Printed with Full-Length Code Certification Strip



rFOIL™ Reflective Duct Insulation is a double-layer of polyethylene bubble, bonded to and sandwiched between two radiant barrier sheets.

rFOIL™ is specially designed to reduce radiant heat gain/loss in all residential and commercial duct applications. rFOIL™ also helps control condensation by providing an airtight thermal break around duct work.

rFOIL™ Reflective Duct Insulation increases system efficiency, lowers stress on HVAC equipment, reduces energy usage and utility bills.

Class 1 / Class A
Fire Rating
ASTM E84-09

PATENTED
(See website for details)
www.rFOIL.com



FEATURES

BENEFITS

Aluminized Radiant Barrier Outer Surface	Provides Unmatched Thermal Performance Stops Virtually All Heat from RADIATING into or out of Duct Systems Greatly Improves HVAC System Efficiency Lowers Run-Time and Increases Lifespan of HVAC Equipment Reduces Energy Usage and Utility Bills ... Saves \$\$\$
Heavy-Duty Double Bubble Thermal Core	Air Spaces Provide Tremendous Condensation Control Airtight and Impermeable to Moisture Provides a Consistent Thermal Block around Ductwork Superior Tear Strength and Puncture Resistance High Compression Resistance Maintains Thermal Value Seals Duct System from Attic Dust and Fibrous Glass Particles
Non-Fibrous Materials	Clean, Safe, and Easy to Install No Protective Equipment or Clothing Required No ITCH or Exposure to Dangerous Glass Fibers Will Not Harbor Mold, Mildew or other Fungi Will not Rot, Degrade, Compress or Break Down over Time Thermal Value Unaffected by Humidity (unlike Fibrous Products) Seals Duct System from Attic Dust and Fibrous Glass Particles Improves Indoor Air Quality (when Properly Sealed)
Low-Profile Insulation	High Thermal Value with Less Product Thickness Easy to Handle and Quick to Install Flexible and Lightweight Simple to Cut and Configure around Obstructions
Full-Length, Printed Code Certification Strip	Allows Inspectors to Easily Identify Product and Specs Printed with R-Values and ASTM Fire Ratings Greater Inspector Acceptance and Approval

PRODUCTS

SPECIFICATIONS

AVAILABLE IN:

36" X 50'	48" X 50'
48" X 100'	48" X 125'



Physical Properties	Test	Duct Insulation (Indoor Use) 2290 Series (Metalized Foil)	Duct Insulation (Outdoor Use) 9290 Series (Aluminum Foil)
NOMINAL THICKNESS	—	5/16"	5/16"
WEIGHT	—	1.25 oz / sq. ft.	1.25 oz / sq. ft.
TEMPERATURE RANGE	ASTM C411	-50°F to 180°F	-50°F to 180°F
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A	CLASS 2 / CLASS B
	CAN/ULC-S102-10	FLAME SPREAD = 0 SMOKE DEVELOPED = 0	—
THERMAL RESISTANCE	ASTM C335	R-4.2 (without spacers)	R-4.2 (without spacers)
		R-6.0 (with bubble spacers)	R-6.0 (with bubble spacers)
EMISSION	ASTM C1371	0.04	0.03
REFLECTIVITY	ASTM E903	0.96	0.97
WATER VAPOR PERMEABILITY	ASTM E96	<0.02 Perms	<0.02 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1338	DOES NOT PROMOTE GROWTH	DOES NOT PROMOTE GROWTH
FIRE RATING - FULL ROOM BURN TEST	NFPA 286	PASSES	—

Warranty, Specific Applications and Installation Guides can be found on our Applications Manuals or at www.rfoil.com

rFOIL™ Approval

- Passes ASTM C411 - City of LA #Rr8436
- State of California Registry CA-T354 (CN)
- CMHC requirement for vapour barrier wrap on the outside of ducts carrying conditioning air



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