

# WHY FOIL DUCTWRAP OVER FIBERGLASS



## FIBERGLASS

**A QUICK INSTALL TIME IS ACCOMPLISHED BY SET SPACING IN THE PRODUCT INSURING A PROPER R-8 VALUE IS ACCOMPLISHED THROUGHOUT DUCT SYSTEM.**

**WITH BIG 8 THERE IS NO CHANCE OF ANY ITCHING OR UNCOMFORTABLE WORKING CONDITIONS.**

**NO HAZARDOUS GLASS PARTICLES TO INGEST OR GET INTO EYES.**

**DOES NOT LOSE R-VALUE WHEN EXPOSED TO MOISTURE.**

**DOES NOT HARBOR MOLD, MILDEW, OR OTHER FUNGI.**

**PREVENTS EXTERIOR BUILD-UP OF CONDENSATION.**

**LOW OVERALL PROFILE ALLOWS FOR INSTALL IN TIGHTER SPACES.**

**EASY TO READ FULL LENGTH CODE STRIP.**

**MULTIPLE ALUMINIZED RADIANT BARRIERS STOP VIRTUALLY ALL HEAT FROM RADIATING INTO OR OUT OF DUCT SYSTEMS.**

**ONCE INSTALLED THE FOIL GIVES A MUCH CLEANER LOOK AND TIGHTER FIT/FINISH.**

**A LONGER INSTALL TIME IS REQUIRED TO ALLOW THE PROPER AMOUNT OF SPACE IS LEFT AT ALL CORNERS TO INSURE FULL R-8 VALUE.**

**ONCE THE BAG IS OPENED ITCHING CAN OCCUR IMMEDIATELY AND DOES NOT LEAVE UNTIL INSTALLER HAS CHANGED CLOTHES AND SHOWERED, IF EVEN THEN.**

**HAZARDOUS WORKING CONDITIONS FROM GLASS PARTICLES REQUIRING ADDITIONAL SAFETY EQUIPMENT.**

**R-VALUE GREATLY DIMINISHES WHEN SATURATED, EXPOSED TO WATER, OR EVEN HIGH HUMIDITY.**

**WHILE ACTING AS A SPONGE MOLD AND MILDEW GROW RAPIDLY WITH THE HOT DAMP CONDITION, ALSO RODENTS AND INSECTS LIKE TO NEST IN IT.**

**WITH OUT HAVING A TRUE VAPOR BARRIER WATER AND CONDENSATION IS ALLOWED TO BUILD UP THROUGH OUT MATERIAL.**

**R-VALUE IS ACHIEVED FROM DEAD AIR SPACE AND WHEN THE PRODUCT IS PRESSED INTO TIGHT SPACES ITS R-VALUE IS LOST.**

**CODE STRIP CAN BE HARD TO FIND OR IS NOT PRESENT ON SOME VERSIONS.**

**SINGLE LAYER OF ALUMINIZED RADIANT BARRIER CAN STILL ALLOW TRANSFER OF HEAT.**

**EVEN IF INSTALLED PROPERLY CAN HAVE SAGGING AND LOOSE TAPE.**



# R8 Duct Insulation

(2280)

**NEW!**

## FEATURES

Meets R-8 and/or R-6 Code Requirements

Aluminized Radiant Barrier Outer Surface

Heavy-Duty Bubble Thermal Core

Non-Fibrous Materials

Unaffected by Humidity (unlike Fibrous Products)

Low-Profile Insulation

Versatile Insulation for Various Applications

Full-Length, Printed Code Certification Strip

## BENEFITS

First Reflective Bubble (non-fibrous) Insulation to Achieve R-8 (with Air Space) or R-6 (without Air Space)  
DOES NOT Require Costly Foam Corner Spacers

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 \$\$\$

Sealed 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

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

Seals Duct System from Attic Dust and Fibrous Glass Particles  
Improves Indoor Air Quality (when Properly Sealed)

High Thermal Value with Less Product Thickness  
Easy to Handle and Quick to Install  
Flexible and Lightweight  
Simple to Cut and Configure around Obstructions

Suitable for All Duct Types  
Residential and Commercial  
Approved for Indoor and OUTDOOR use

Allows Inspectors to Easily Identify Product and Specs  
Printed with R-Values and ASTM Fire Ratings  
Greater Inspector Acceptance and Approval

## PRODUCTS

Size:  
48" x 50' or 48" x 75'



## SPECIFICATIONS

Physical Properties	Test	BIG-8 (Indoor Use) 2280 Series (Metalized Foil)
THERMAL RESISTANCE	ASTM C335	R-8 with BUBBLE SPACERS
TEMPERATURE RANGE	ASTM C411	-50°F to 180°F
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
EMISSION	ASTM C1371	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.029 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1338-08	DOES NOT PROMOTE GROWTH
BLEEDING and DELAMINATION	ASTM C1224-03	NO BLEEDING or DELAMINATION
PLIABILITY	ASTM C1224-03	NO CRACKING
TEMPERATURE and HUMIDITY RESISTANCE	ASTM C1258	Evidence of Delamination - NONE Evidence of Corrosion - NONE Loss of Metallization - MINIMAL
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](http://www.rfoil.com)