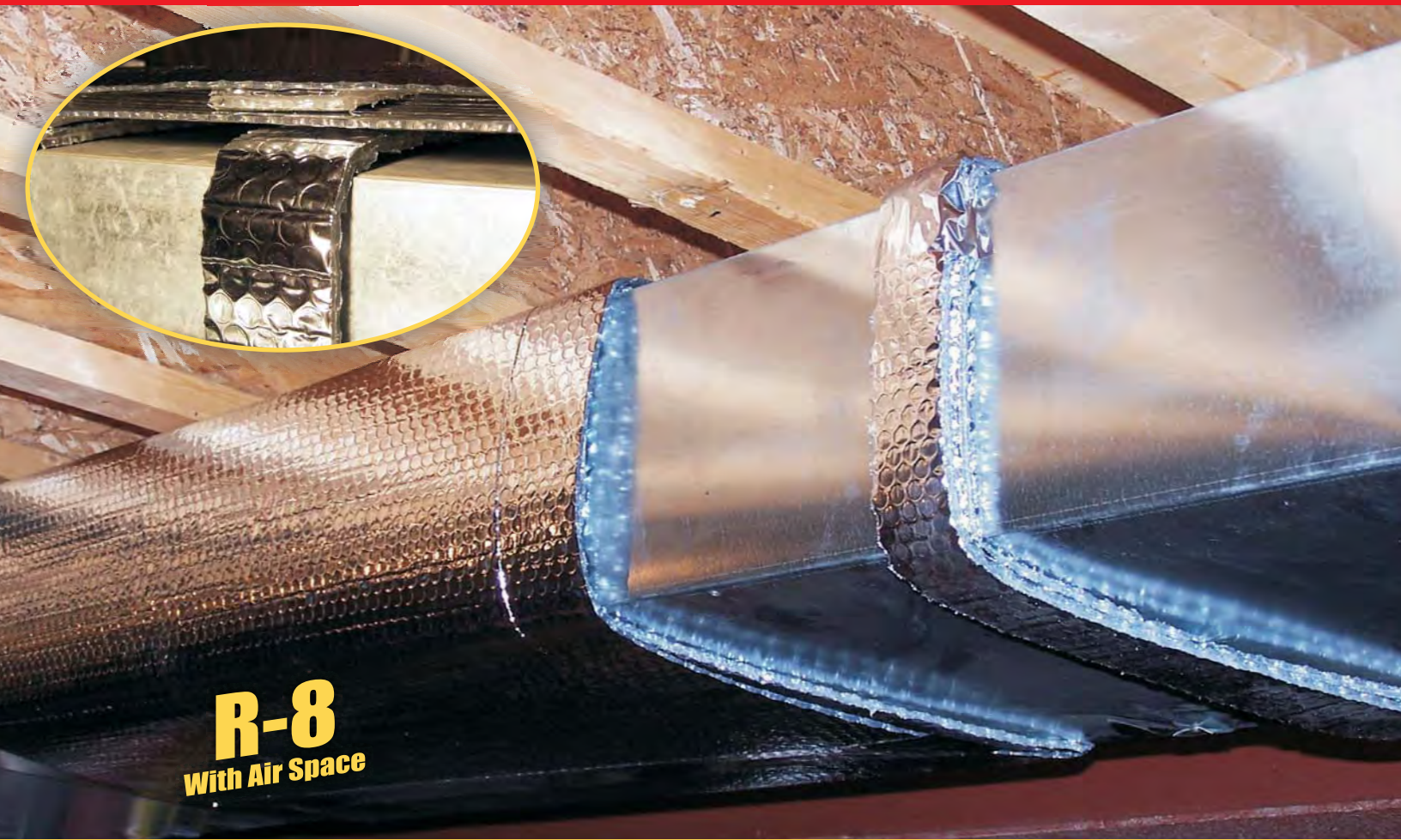


# rFOIL BIG 8™

Reflective Bubble Duct Insulation

**NEW!**

***R-8 Reflective Bubble Duct Insulation Has Arrived!***



**R-8**  
With Air Space

- ▶ R-Value = 8... Improves HVAC System Efficiency
- ▶ No Foam Corner Spacers Needed
- ▶ The First R-8 without a Mineral Fiber / Fiber Glass Core... NO ITCH!
- ▶ Thermal Value Unaffected by Moisture or Humidity
- ▶ Will NOT harbor Mold, Mildew or other Fungi
- ▶ Prevents Exterior Build-Up of Condensation
- ▶ Saves Energy, Money and it's Easy to Install

rFOIL™ BIG-8 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™ BIG-8 Reflective Duct Insulation increases system efficiency, lowers stress on HVAC equipment, reduces energy usage and utility bills. The first R-8 reflective bubble insulation is now here!

Patent Pending Technology



**Class 1 / Class A**  
**Fire Rating**  
ASTM E84-09

[www.rFOIL.com](http://www.rFOIL.com)

FEATURES	BENEFITS
Meets R-8 and/or R-6 Code Requirements	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
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 Bubble Thermal Core	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
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
Versatile Insulation for Various Applications	Suitable for All Duct Types Residential and Commercial Approved for Indoor and OUTDOOR use
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

PRODUCT	SPECIFICATIONS																																			
<p><b>Size: 48" x 50'</b></p> <p>The diagram shows a cross-section of the insulation with alternating layers of reflective surfaces (indicated by arrows) and bubble cores (indicated by circles). Labels include REFLECTIVE SURFACE and BUBBLE.</p>	<table border="1"> <thead> <tr> <th>Physical Properties</th> <th>Test</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>THERMAL RESISTANCE</td> <td>ASTM C335</td> <td>R-8 with BUBBLE SPACERS</td> </tr> <tr> <td>TEMPERATURE RANGE</td> <td>ASTM C411</td> <td>250 +/- 25°F</td> </tr> <tr> <td>FIRE RATING</td> <td>ASTM E84-09</td> <td>CLASS 1 / CLASS A</td> </tr> <tr> <td>EMISSION</td> <td>ASTM C1371</td> <td>0.04</td> </tr> <tr> <td>REFLECTIVITY</td> <td>ASTM E903</td> <td>0.096</td> </tr> <tr> <td>WATER VAPOR PERMEABILITY</td> <td>ASTM E96</td> <td>0.029 Perms</td> </tr> <tr> <td>RESISTANCE TO FUNGI &amp; BACTERIA</td> <td>ASTM C1338-08</td> <td>DOES NOT PROMOTE GROWTH</td> </tr> <tr> <td>BLEEDING and DELAMINATION</td> <td>ASTM C1224-03</td> <td>NO BLEEDING or DELAMINATION</td> </tr> <tr> <td>PLIABILITY</td> <td>ASTM C1224-03</td> <td>NO CRACKING</td> </tr> <tr> <td>TEMPERATURE and HUMIDITY RESISTANCE</td> <td>ASTM C1258</td> <td>Evidence of Delamination - NONE Evidence of Corrosion - NONE Loss of Metallization - MINIMAL</td> </tr> </tbody> </table>	Physical Properties	Test	Value	THERMAL RESISTANCE	ASTM C335	R-8 with BUBBLE SPACERS	TEMPERATURE RANGE	ASTM C411	250 +/- 25°F	FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A	EMISSION	ASTM C1371	0.04	REFLECTIVITY	ASTM E903	0.096	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		
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Specific Applications and Installation Guides can be found on our Applications Manuals or at [www.rfoil.com](http://www.rfoil.com)

