rFOIL® Benefits:
- R-Value = 8.0... Improves HVAC System Efficiency
- No Foam Corner Spacers Needed
- The First R-8.0 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® Applications:
- Duct Insulation
- Suitable for all duct types
- Residential and Commercial
- Indoor Use
- R-8 Code Requirements

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!
- 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 $$$

- 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 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 Property 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

- 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

- Allows inspectors to easily identify product and specs
- Printed with R-values and ASTM fire ratings
- Greater inspector acceptance and approval

### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Test</th>
<th>BIG-8 (Indoor Use Only) 2280 Series (Metalized Foil)</th>
</tr>
</thead>
<tbody>
<tr>
<td>THERMAL RESISTANCE</td>
<td>ASTM C335</td>
<td>R-8.0 with Bubble Spacers (INCLUDED)</td>
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<tr>
<td>TEMPERATURE RANGE</td>
<td>ASTM C411</td>
<td>-50°F to 180°F</td>
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<tr>
<td>FIRE RATING</td>
<td>ASTM E84-09</td>
<td>CLASS 1 / CLASS A</td>
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<td></td>
<td>CANULC-S102-10</td>
<td>FLAME SPREAD = 0 SMOKE DEVELOPED = 0</td>
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<tr>
<td>EMISSIVITY</td>
<td>ASTM C1371</td>
<td>0.04</td>
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<tr>
<td>REFLECTIVITY</td>
<td>ASTM E903</td>
<td>0.96</td>
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<tr>
<td>WATER VAPOR PERMEABILITY</td>
<td>ASTM E96</td>
<td>0.029 Perms</td>
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<tr>
<td>RESISTANCE TO FUNGI &amp; BACTERIA</td>
<td>ASTM C1338-08</td>
<td>DOES NOT PROMOTE GROWTH</td>
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<tr>
<td>BLEEDING and DELAMINATION</td>
<td>ASTM C1224-03</td>
<td>NO BLEEDING or DELAMINATION</td>
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<td>PLIABILITY</td>
<td>ASTM C1224-03</td>
<td>NO CRACKING</td>
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<tr>
<td>TEMPERATURE and HUMIDITY</td>
<td>ASTM C1258</td>
<td>Evidence of Delamination - NONE</td>
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<td>RESISTANCE</td>
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<td>Evidence of Corrosion - NONE</td>
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<td></td>
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<td>Loss of Metalization - MINIMAL</td>
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<tr>
<td>FIRE RATING - FULL ROOM BURN TEST</td>
<td>NFPA 286</td>
<td>PASSES</td>
</tr>
</tbody>
</table>

Warranty, Specific Applications and Installation Guides can be found at [www.rfoil.com](http://www.rfoil.com)