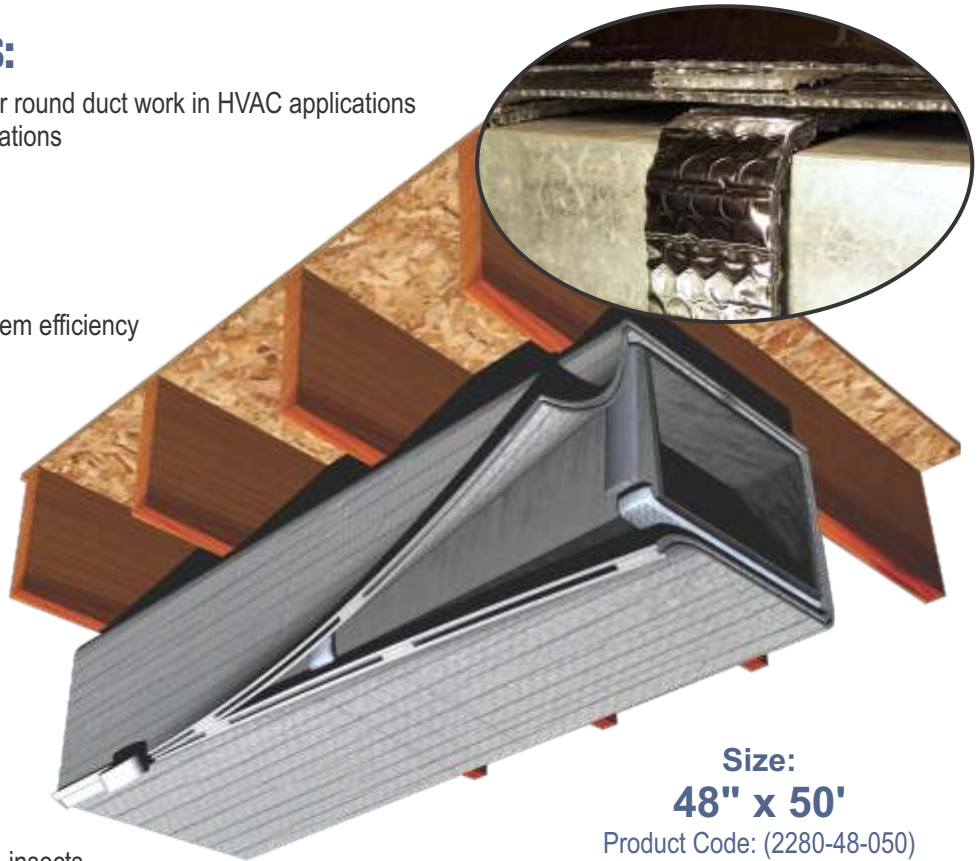


### rFOIL™ Applications:

- Suitable for wrapping rectangular or round duct work in HVAC applications
- Residential and Commercial Applications
- R-8 Code Requirements

### rFOIL™ Benefits:

- R-Value = 8... Improves HVAC system efficiency
- Non-toxic / non carcinogenic  
Lightweight, clean and fibre free
- Thermal value unaffected by moisture or humidity
- Will NOT harbor mold, mildew or other fungi
- Prevents exterior build-up of condensation
- No need for protected garments or respirators when installing
- Permanent and maintenance free
- Environmentally safe
- Reflects 96% radiant heat
- Energy efficient
- No nesting characteristics for birds, insects or rodents



**Size:**  
**48" x 50'**  
Product Code: (2280-48-050)

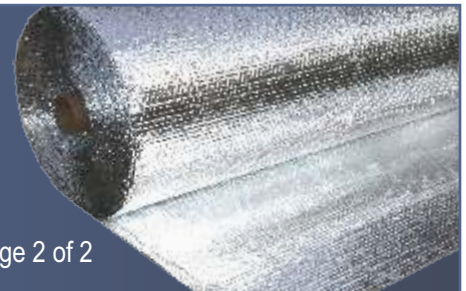
The Patented rFOIL BIG-8™ duct insulation is manufactured from two layers of polyethylene bubble material laminated on each side with a layer of flat polyethylene film and a metalized surface film.

The two layers of the rFOIL™ reflective bubble pack insulation is separated by 2-inch wide strips of bubble pack insulation. The 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.



ICC EVALUATION  
SERVICE  
**ESR-1236**





**Testing & Certifications**

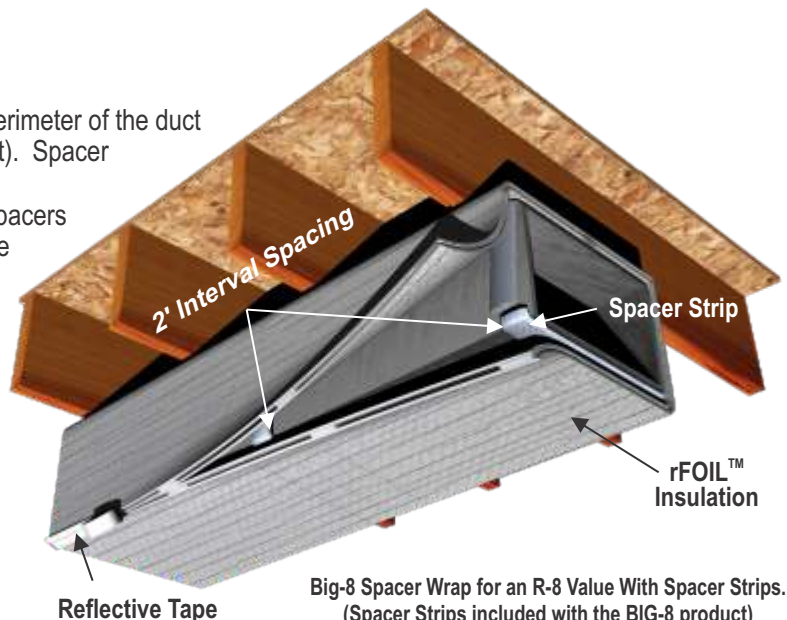
All testing on rFOIL BIG-8 duct insulation have been performed at either nationally approved independent laboratories or at leading Universities. Test have been performed to current ASTM- American Society of Testing and Materials Standards . For a copy of any of the actual test reports , call 1-800-837-8961 .

- ICC-ES Evaluation Report ESR-1236
- Thermal Performance- Duct Insulation ASTM C335
- Thermal conductivity and thermal resistance ASTM C518
- Hot surface performance ASTM C411
- Flame Spread and Smoke Density ASTM E84-10
- Fungus Resistance & Bacteria ASTM C1338-08
- Pliability Test ASTM C1224-03
- Bleeding & Delamination ASTM C1224-03
- Water Vapor Transmission ASTM E96
- Tensile Strength
- Emittance ASTM C1371
- Corrosiveness ASTM D3310
- Humidity resistance ASTM C1258
- State of California Licensed Insulation Manufacturer

Physical Properties	Test	Results 2280 Series
THERMAL RESISTANCE	ASTM C335	R-8 with BUBBLE SPACERS
TEMPERATURE RANGE	ASTM C411	-50°F to 180°F
FLAME SPREAD INDEX	ASTM E84-10	15
SMOKE DEVELOPMENT INDEX	ASTM E84-10	50
FIRE RATING	ASTM E84-10	CLASS 1 / CLASS A
EMISSIVITY	ASTM C1371	0.04
REFLECTANCE (IR)		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
HOT SURFACE PERFORMANCE	ASTM 518	PASSED (250° F)

**Installation Instructions**

1. 2" wide spacer strips to be wrapped around the perimeter of the duct (spacers strips are included with the Big 8 product). Spacer strips to be installed at 2' intervals.
2. Wrap rFoil Big 8 insulation around the duct with spacers and pull hand –tight. Ensure that the printed Code Certification Strip, is facing out. This Certification Strip must be visible to inspector.
3. Tape all seams and joints using rFoil metalized tape which is specially formulated to adhere to the rFoil Big 8 Duct insulation. Tape Products: Item code 15112 ( 2"x150' ) and/or Item code 15113 ( 3"x150' )
4. Properly installed, the spacers will provide a consistent airspace around the duct.
5. Repeat the above steps for the entire length of the duct work.



Big-8 Spacer Wrap for an R-8 Value With Spacer Strips. (Spacer Strips included with the BIG-8 product)

