rFOIL® Benefits:
- Minimum Shielding Effectiveness (100MHz – 10GHz):
  - 85 dB (Solid)  - 67 dB (Perforated)
- Highly reflective radiant barrier surface
- Reflects 97% of Radiant Heat
- Thermal performance unaffected by moisture
- Unrolls and cuts easily
- Durable and flexible woven polyethylene base
- Increases sound attenuation for SCIF’s
- Reduces heating and cooling costs
- Lowers energy usage and utility bills

rFOIL® Applications:
- Sensitive Compartmented Information Facilities (SCIF’s)
- Secured Government Buildings

rFOIL® Ultra NT Radiant Barrier is a heavy duty radiant barrier sheet made up of a single layer of woven polyethylene material bonded to and sandwiched between two highly reflective aluminum surfaces.

rFOIL® Ultra NT Radiant Barrier is designed to be used in Sensitive Compartmented Information Facilities (SCIF’s). In addition to being a highly effective radiant barrier, the Ultra NT (Solid) is also an approved vapor barrier.

rFOIL® Ultra NT Radiant Barrier also helps reduce winter heating costs by helping existing fiber insulation hold heat and lower energy usage.
**ULTRANT RADIANT BARRIER for SCIF’s**
(1800 Series)

**Inner Layer of Woven Polyethylene**
- Outstanding tear strength and puncture resistance
- Allows for a permanent bond of foil layers
- Allows firm hold when stapled

**Reflective Radiant Barrier Facings**
- Reduces radiant heat gain and loss
- Redirects radiant heat energy back to living area
- Saves energy usage and lowers heating costs
- Extends life of heating and cooling systems
- Increases sound attenuation for SCIF’s
- Improves effectiveness of fiber / mass insulations

**Lightweight, Flexible Materials**
- Easy to unroll, cut to fit, and install
- Lightweight - 500 square feet weighs only 15 lbs.
- Easily cut to fit around obstructions

**PRODUCT SIZE**
48” x 125’
(Solid & Perforated Aluminum Surface)

**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Test</th>
<th>1800 (Solid)</th>
<th>1800 (Perforated)</th>
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<tbody>
<tr>
<td>EMISSIVITY</td>
<td>ASTM C1371-04A</td>
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<tr>
<td>REFLECTIVITY</td>
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<tr>
<td>CORROSION RESISTANCE</td>
<td>ASTM D3310-00</td>
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<td>PASSES</td>
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<tr>
<td>FIRE RATING</td>
<td>ASTM E84-09</td>
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<td>CLASS 1 / CLASS A</td>
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<tr>
<td>BLEEDING &amp; DELAMINATION</td>
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<td>No Bleeding or Delamination</td>
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<tr>
<td>PLIABILITY</td>
<td>ASTM C1313-05</td>
<td>No Cracking or Delamination</td>
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<tr>
<td>TEAR RESISTANCE</td>
<td>ASTM D2261</td>
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<td>Length 14.93 / Width 15.13</td>
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<td>WATER VAPOR PERMEABILITY</td>
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<td>2.69 Perms</td>
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<tr>
<td>RESISTANCE TO FUNGI</td>
<td>ASTM C1338-08</td>
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<td>PASSES</td>
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<tr>
<td>SHIELDING EFFECTIVENESS</td>
<td>IEEE-299:1997 (Solid)</td>
<td>85 dB</td>
<td>67 dB</td>
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<tr>
<td></td>
<td>IEEE-299:2006 (Perf)</td>
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<td>(100MHz - 10GHz)</td>
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</table>

**TESTING**

The photo to the right shows the RIGHT side of the hot box which is insulated with fiberglass is at a much higher temperature then the LEFT box which is insulated with the rFOIL Radiant Barrier.

The rFOIL® Radiant Barrier is reflecting a tremendous amount of the radiant heat. The RIGHT side (which is not insulated with a layer of rFOIL®) shows 62 degrees hotter difference therefore illustrating how much heat it keeps out in the summer. In the winter it would be doing the same but only in reverse reflecting the heat back into the home. Having 2 layers help all 3 forms of heat gain/heat loss, conduction, convection and radiant heat.

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