



Fire Retardant Metal Building Insulation

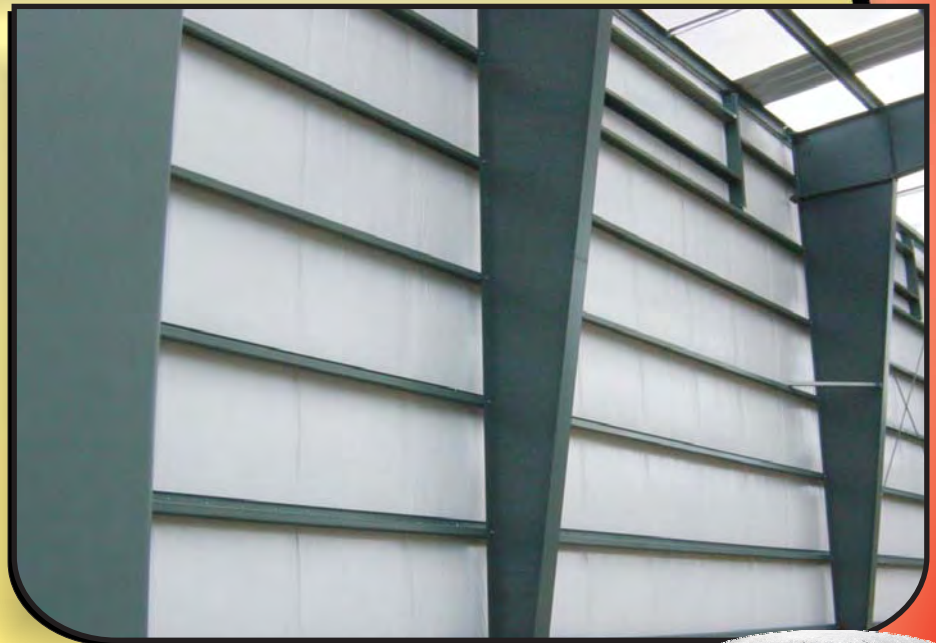
Recommended For:

- Pre-Engineered Steel Buildings
- Post Frame / Pole Barns
- Agricultural Buildings
- Residential Metal Roofs
- Mini Storage
- Livestock Confinement
- Any Structure with Strict Fire Safety Requirements



Why Install rFOIL™ ?

- Blocks 97% of Radiant Heat Transfer
- Prevents Interior Condensation
- Class 1 / Class A Fire-Rated (ASTM E84-08)
- Puncture and Tear-Resistant
- Unaffected by Humidity
- Will Not Promote Mold and Mildew
- Safe, Non-Toxic and Non-Carcinogenic
- Easy to Handle and Install
- Various Tab Options
- UV-Resistant



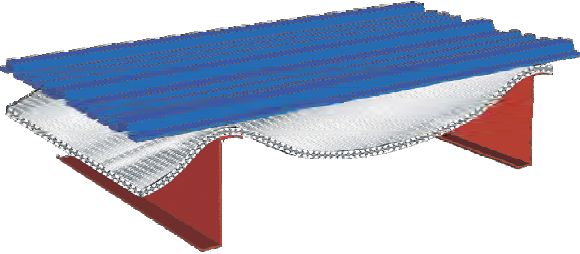
rFOIL286™ Reflective Insulation is a single layer of ¼" high-strength polyethylene bubble, bonded to and sandwiched between a layer of metalized aluminum film, with an interior facing of UV-Resistant polyethylene.

rFOIL286™ Reflective Insulation is patented, and specifically designed for applications that require strict code compliance for exposed insulation and fire safety. **rFOIL286™** has a Class 1 / Class A fire rating (ASTM E84-08), and successfully meets the requirements of the NFPA Full Corner Room Burn Test.

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FEATURES	BENEFITS
Patented Fire-Retardant Design and Composition	<ul style="list-style-type: none"> - Class 1 / Class A Fire Rating (ASTM E-84-05) - Passes the NFPA 286 Full Corner Room Burn Test - Safest Reflective Insulation Available - Reduces or Eliminates Fire-Related Liability
Reflective Metalized Aluminum Surface Facing	<ul style="list-style-type: none"> - Reduces Radiant Heat Gain and Loss - Blocks 97% of Radiant Heat Transfer - Saves Energy Use - Lowers Heating/Cooling Costs - Improves Interior Comfort
Multi-Layer Bubble Core	<ul style="list-style-type: none"> - Provides Continuous Thermal Break - Lowers Risk of Interior Surface Condensation - Superior Puncture, Tensile and Tear Strength - Durable and Long-Lasting - Does Not Harbor Moisture or Mold - Will Not Absorb Water or Vapor - Clean, Safe, No-Itch Material
White Interior Facing Option	<ul style="list-style-type: none"> - Brightens Building Interior - Attractive Appearance - Easy to Clean
Practical Tab/Edge Options	<ul style="list-style-type: none"> - Various Options for All Metal Building Applications - Simplifies Installations - Improves Vapor-Sealing Efforts
QuickSeam (Adhesive Tape on Tab)	<ul style="list-style-type: none"> - Saves Time and Labor - Ensures a Continuous Vapor and Condensation Barrier - Simplifies and Speeds Installation

PRODUCTS	SPECIFICATIONS																												
<p>AVAILABLE IN:</p> <ul style="list-style-type: none"> - Quick Seam Adhesive Strip or Tab 2 sides - Width: 48" and 72" - Length: 102' and 125' 	<p>POLY / 1/4" BUBBLE / REFLECTIVE</p> <table border="1"> <tr><td>NOMINAL THICKNESS</td><td>1/4"</td></tr> <tr><td>WEIGHT</td><td>0.78 oz/sq.ft</td></tr> <tr><td>TEMPERATURE RANGE - ASTM C411</td><td>-50 °F to 180 °F</td></tr> <tr><td>FIRE RATING - ASTM E84-05</td><td>CLASS 1 / CLASS A</td></tr> <tr><td>FIRE RATING NFPA 286</td><td>CONFORMS</td></tr> <tr><td>EMISSIVITY - ASTM C1371</td><td>0.03 - 0.04</td></tr> <tr><td>REFLECTIVITY - ASTM 3903</td><td>0.96 - 0.97</td></tr> <tr><td>WATER VAPOR PERMEANCE - ASTM E96, ONGC 51.33-M89</td><td>< 0.01 Perms</td></tr> <tr><td>TENSILE AND ELONGATION - ASTM D882</td><td>MACHINE 69 lbs/sq.in (173%)</td></tr> <tr><td>TENSILE AND ELONGATION - ASTM D882</td><td>TRANSVERSE 75 lbs/sq.in (194%)</td></tr> <tr><td>CORROSIVITY</td><td>200 °F - 7 Days</td></tr> <tr><td>LINEAR SHRINKAGE</td><td>NONE</td></tr> <tr><td>FLEXIBILITY - CAN / CGSB-51.33 M89</td><td>NO CRACKING</td></tr> <tr><td>RESISTANT TO FUNGI AND BACTERIA</td><td>DOES NOT PROMOTE GROWTH</td></tr> </table>	NOMINAL THICKNESS	1/4"	WEIGHT	0.78 oz/sq.ft	TEMPERATURE RANGE - ASTM C411	-50 °F to 180 °F	FIRE RATING - ASTM E84-05	CLASS 1 / CLASS A	FIRE RATING NFPA 286	CONFORMS	EMISSIVITY - ASTM C1371	0.03 - 0.04	REFLECTIVITY - ASTM 3903	0.96 - 0.97	WATER VAPOR PERMEANCE - ASTM E96, ONGC 51.33-M89	< 0.01 Perms	TENSILE AND ELONGATION - ASTM D882	MACHINE 69 lbs/sq.in (173%)	TENSILE AND ELONGATION - ASTM D882	TRANSVERSE 75 lbs/sq.in (194%)	CORROSIVITY	200 °F - 7 Days	LINEAR SHRINKAGE	NONE	FLEXIBILITY - CAN / CGSB-51.33 M89	NO CRACKING	RESISTANT TO FUNGI AND BACTERIA	DOES NOT PROMOTE GROWTH
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<p>Specific Applications and Installation Guides can be found on our Applications Manuals or at www.rfoil.com</p>																													

- rFOIL™ Approvals**
- NFPA 286 Full Corner Room Burn Test
 - ASTM E84-08 Fire Test
 - ASTM 1225 Standard Specifications for Reflective Insulations and Building Applications

