

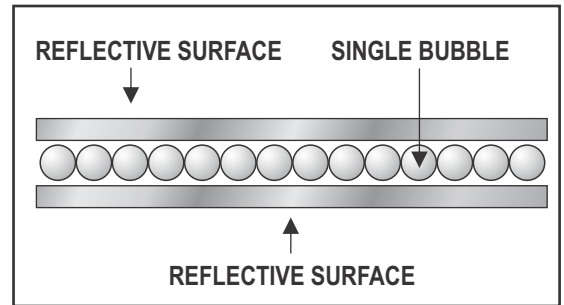
**RETURN AIR DUCT PANNING**

TECHNICAL DATA

**Product Description:**

This product is specifically designed for an alternative to conventional sheet metal and corrugated aluminum panels for return air ducts. rFOIL® Return Air Panning can be used in wood frame construction enclosing the bottom of return air plenums, between the joist spaces, stud cavities and wall and ceiling cavities.

rFOIL® Reflective Insulation is a single layer of polyethylene bubbles, sandwiched between two highly reflective surfaces with a tape running the length of the product for easy identification by code officials. The tape identifies the manufacture and ASTM testing: rFOIL® Return Air Panning - ASTM E89-09 - Class 1 / Class A - ASTM C411 Passed.



**Stock Sizes Available (Rolls):**

Size	<b>16" X 100'</b>	<b>24" X 100'</b>
Part No.	2210-16-100	2210-24-100

**Features:**

- 30%-50% less cost than sheet metal and corrugated aluminum panels
- 96% Reflectivity for optimal thermal performance
- Class 1 / Class A Fire Rating
- R10 value based on air space
- Reduces noise through plenum
- Environmentally safe
- Energy efficient
- Light weight and easy to handle
- Non-toxic / non carcinogenic
- Resists growth of fungi, mold & mildew

**Applications: (Wood frame construction)**

- Enclose the bottom of return air plenum
- Between joist spaces
- Stud cavities
- Wall and ceiling cavities

Physical Properties	Test	Value
NOMINAL THICKNESS	—	3/16"
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.04 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1149	DOES NOT PROMOTE GROWTH
PLIABILITY	ASTM C1224-03	NO CRACKING
BLEEDING AND DELAMINATION	ASTM C1224-03	NO BLEEDING OR DELAMINATION
CORROSIVENESS	ASTM D3310-00	PASSES

Verified by



REFLECTIVE INSULATION MANUFACTURERS ASSOCIATION  
**US-006-10**

**PATENTS**

US Patent No.: 8,221,871	US Patent No.: 7,935,410	CDN Patent No.: 2,554,754
US Patent No.: 8,327,601	US Patent No.: 7,935,411	CDN Patent No.: 2,591,589
US Patent No.: 8,343,614		



279 Humberline Drive Etobicoke, ON M9W 5T6  
 Call Toll Free: 1-800-837-8961 Local: 416-798-1340  
 Fax: 416-798-1342 Email: sales@rfoil.com  
**Visit our Website: www.rfoil.com**

