



TECHNICAL DATA SHEET

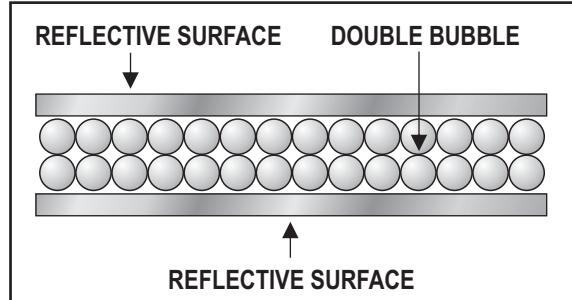
REFLECTIVE INSULATION (Double Layer)

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Product Description:

rFOIL™ Reflective Insulation is a double layer of polyethylene bubbles, sandwiched between two highly reflective surfaces. This product has been specifically designed for insulating commercial and residential building assemblies, reducing the amount of radiant heat transfer.

Adding rFOIL™ Reflective Bubble Insulation to your construction project improves the insulation value of the building envelope and significantly increases its energy efficiency. All products in this line are classified as Class 1 / Class A in accordance with the ASTM-E84-09 fire test standard. The product was mounted in accordance to ASTM-E2599-08



Stock Sizes Available (Rolls):

Size	48" X 125'	72" X 125'	72" X 102'
Part No.	2220-48-125	2220-72-125	2220-72-102

Features:

- Class 1 / Class A Fire Rating
- Unaffected by moisture & controls condensation
- Double bubble provides an effective thermal break
- 96% Reflectivity for optimal thermal performance
- Radiant barrier and vapor barrier all-in-one
- Available in Square Edge or Tab Two format

Applications:

- Crawlspace
- Basement Insulation
- Residential Insulation
- Cathedral Ceiling

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
FIRE RATING	ASTM E84-09 CAN/ULC-S102-10	CLASS 1 / CLASS A FLAME SPREAD = 0 / SMOKE DEVELOPED = 10
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.02 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



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		



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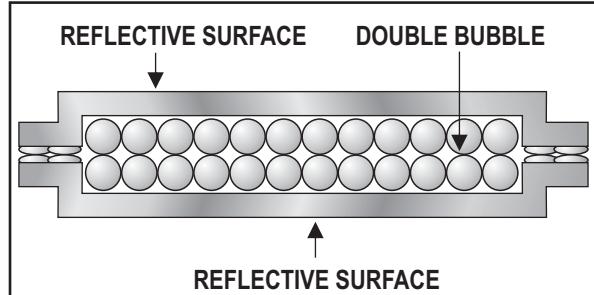
BETWEEN JOIST INSULATION

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Product Description:

rFOIL™ Between-Joist reflective insulation consists of a double layer of polyethylene bubbles sandwiched between two highly reflective surfaces. This product has been specifically designed for insulating residential wall and ceiling assemblies; tabbed edges help to ensure the product is installed quickly and correctly, every time.

Adding rFOIL™ reflective insulation to your construction project improves the insulation value of the building envelope and significantly increases its energy efficiency. As well, all products in this line are classified as Class 1/Class A in accordance with the ASTM-E84-09 fire test standard. The product was mounted in accordance to ASTM-E2599-08.



Stock Sizes Available (Rolls):

Size	16" X 75'	24" X 75'	16" X 125'	18" X 125'	24" X 125'
Part No.	2222-16-075	2222-24-075	2222-16-125	2222-18-125	2222-24-125

Features:

- Class 1/Class A Fire Rating
- Unaffected by moisture & humidity
- Double bubble provides an effective thermal break
- 96% Reflectivity for optimal thermal performance
- Radiant barrier and vapor barrier all-in-one
- Tab-Two edge format allows for quick installation

Applications:

- Crawlspace
- Basement
- Residential Walls
- Cathedral Ceiling
- Radiant Heating Between Joists

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
WEIGHT	—	1.25 oz / sq. ft.
TEMPERATURE RANGE	ASTM C411	-50°F to 180°F
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
THERMAL RESISTANCE (SYSTEM)	ASTM C1224 (3.5" cavity)	R-15.2 (Heat Flow Down) R-8.5 (Horizontal Heat Flow)
EMISSIVITY	ASTM C1371	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	<0.02 Perms
RESISTANCE TO FUNGI & BACTERIA	ASTM C1338	DOES NOT PROMOTE GROWTH
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES

Verified by



PATENTS			
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US Patent No.: 8,327,601	US Patent No.: 7,935,411	CDN Patent No.: 2,591,589	
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