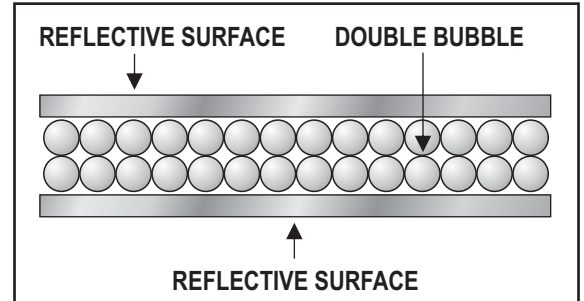


## REFLECTIVE INSULATION (Double Layer)

### 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	<b>48" X 125'</b>	<b>72" X 125'</b>	<b>72" X 102'</b>
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	CLASS 1 / CLASS A
	CAN/ULC-S102-10	FLAME SPREAD = 0 / SMOKE DEVELOPED = 10
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES
EMISSION	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



### PATENTS

US Patent No.: 8,221,871  
US Patent No.: 8,327,601  
US Patent No.: 8,343,614

US Patent No.: 7,935,410  
US Patent No.: 7,935,411

CDN Patent No.: 2,554,754  
CDN Patent No.: 2,591,589



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Published: June 30, 2013

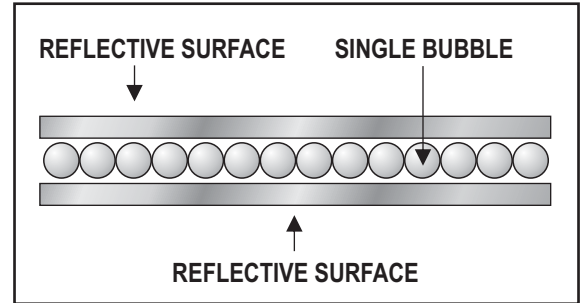
## REFLECTIVE INSULATION (Single Layer)

TECHNICAL DATA

### Product Description:

rFOIL™ Reflective Insulation is a single 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	<b>48" X 125'</b>	<b>72" X 125'</b>	<b>72" X 102'</b>
Part No.	2210-48-125	2210-72-125	2210-72-102

### Features:

- Class 1 / Class A Fire Rating
- Unaffected by moisture & controls condensation
- Single 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	—	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	0.37 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



### PATENTS

US Patent No.: 8,221,871  
US Patent No.: 8,327,601  
US Patent No.: 8,343,614

US Patent No.: 7,935,410  
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Published: June 30, 2013



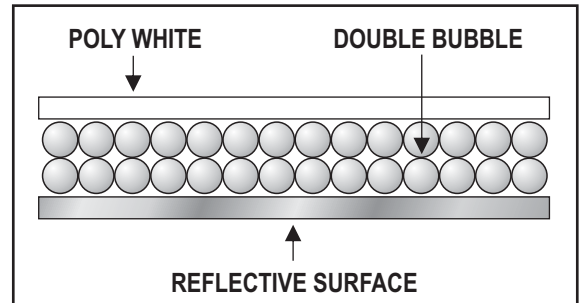
## POLY - REFLECTIVE INSULATION (Double Layer)

TECHNICAL DATA

### Product Description:

rFOIL™ Reflective Bubble Insulation is a double layer of polyethylene bubbles, sandwiched between a highly reflective surface and a white polyethylene sheet. It is ideal for many residential and commercial building applications, including walls and ceilings.

Adding rFOIL™ Reflective Bubble 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	<b>48" X 125'</b>	<b>72" X 102'</b>	<b>72" X 125'</b>
Part No.	2520-48-125	2520-72-102	2520-72-125

### Features:

- UV (Ultra Violet) Resistant Facing
- 96% Reflectivity for optimal thermal performance
- Neat, washable white polyethylene surface / UV Protected
- Available in Square Edge, Quick-Seam or Tab Two
- Class 1 / Class A Fire Rating
- Radiant and vapor barrier all-in-one
- Double bubble provides an effective thermal break

### Applications:

- Metal Buildings (roof, walls)
- Residential Wall Cavities
- Post Frame Buildings

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
FIRE RATING	ASTM E84-09/ASTM E2599-08	CLASS 1 / CLASS A
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.42 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
UV TESTING	ASTM G155	90+% RETAINED RETENTION after 4000 hrs
FIRE RATING - FULL ROOM BURN	NFPA286	PASSES

Verified by



### PATENTS

US Patent No.: 8,221,871  
US Patent No.: 8,327,601  
US Patent No.: 8,343,614

US Patent No.: 7,935,410  
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CDN Patent No.: 2,554,754  
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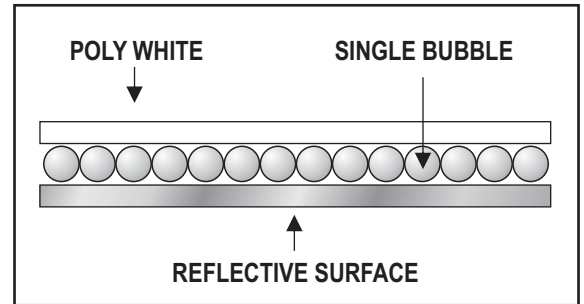
Published: June 30, 2013

## POLY - REFLECTIVE INSULATION (Single Layer)

### Product Description:

rFOIL™ Reflective Bubble Insulation is a single layer of polyethylene bubbles, sandwiched between a highly reflective surface and a white polyethylene sheet. It is ideal for many residential and commercial building applications, including walls and ceilings.

Adding rFOIL™ Reflective Bubble 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	<b>48" X 125'</b>	<b>72" X 102'</b>	<b>72" X 125'</b>
Part No.	2510-48-125	2510-72-102	2510-72-125

### Features:

- UV (Ultra Violet) Resistant Facing
- 96% Reflectivity for optimal thermal performance
- Neat, washable white polyethylene surface / UV Protected
- Available in Square Edge, Quick-Seam or Tab Two
- Class 1 / Class A Fire Rating
- Radiant and vapor barrier all-in-one
- Single bubble provides an effective thermal break

### Applications:

- Metal Buildings (roof, walls)
- Residential Wall Cavities
- Post Frame Buildings

Physical Properties	Test	Value
NOMINAL THICKNESS	—	3/16"
FIRE RATING	ASTM E84-09/ASTM E2599-08	CLASS 1 / CLASS A
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.01 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
UV TESTING	ASTM G155	90+% RETAINED RETENTION after 4000 hrs
FIRE RATING - FULL ROOM BURN	NFPA286	PASSES

Verified by



### PATENTS

US Patent No.: 8,221,871  
US Patent No.: 8,327,601  
US Patent No.: 8,343,614

US Patent No.: 7,935,410  
US Patent No.: 7,935,411

CDN Patent No.: 2,554,754  
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Published: June 30, 2013

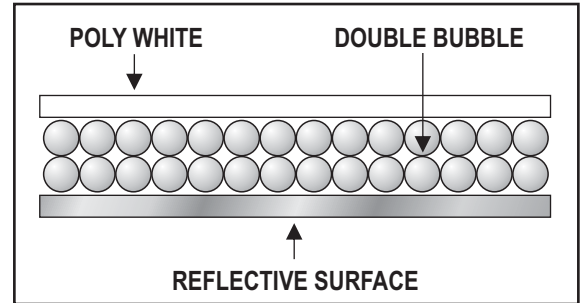


## ULTRA MBI - WHITE METAL BUILDING INSULATION (Double Layer)

### Product Description:

rFOIL™ Ultra MBI Metal Building Reflective Bubble Insulation is a double layer of polyethylene bubbles, sandwiched between a highly reflective surface and a white polyethylene sheet. It is ideal for many residential and commercial building applications, including walls and ceilings.

Adding rFOIL™ Ultra MBI Reflective Bubble 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	<b>48" X 125'</b>	<b>72" X 102'</b>	<b>72" X 125'</b>
Part No.	2620-48-125	2620-72-102	2620-72-125

### Features:

- UV (Ultra Violet) Resistant Facing
- 96% Reflectivity for optimal thermal performance
- Neat, washable white polyethylene surface / UV Protected
- Available in Square Edge, Quick-Seam or Tab Two
- Class 1 / Class A Fire Rating
- Radiant and vapor barrier all-in-one
- Double bubble provides an effective thermal break

### Applications:

- Metal Buildings (roof, walls)
- Residential Wall Cavities
- Post Frame Buildings

Physical Properties	Test	Value
NOMINAL THICKNESS	—	5/16"
FIRE RATING	ASTM E84-09/ASTM E2599-08	CLASS 1 / CLASS A
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.42 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
UV TESTING	ASTM G155	90+% RETAINED RETENTION after 4000 hrs
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES

Verified by



### PATENTS

US Patent No.: 8,221,871  
 US Patent No.: 8,327,601  
 US Patent No.: 8,343,614

US Patent No.: 7,935,410  
 US Patent No.: 7,935,411

CDN Patent No.: 2,554,754  
 CDN Patent No.: 2,591,589



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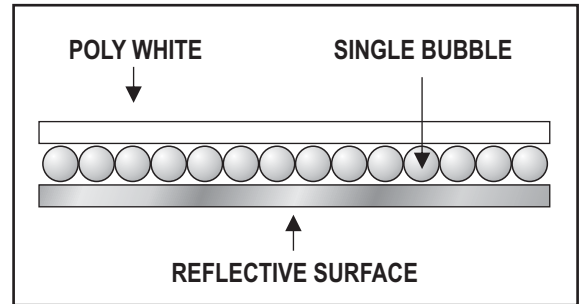


## ULTRA MBI - WHITE METAL BUILDING INSULATION (Single Layer)

### Product Description:

rFOIL™ Ultra MBI Metal Building Reflective Bubble Insulation is a single layer of polyethylene bubbles, sandwiched between a highly reflective surface and a white polyethylene sheet. It is ideal for many residential and commercial building applications, including walls and ceilings.

Adding rFOIL™ Ultra MBI Reflective Bubble 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	<b>48" X 125'</b>	<b>72" X 102'</b>	<b>72" X 125'</b>
Part No.	2610-48-125	2610-72-102	2610-72-125

### Features:

- UV (Ultra Violet) Resistant Facing
- 96% Reflectivity for optimal thermal performance
- Neat, washable white polyethylene surface / UV Protected
- Available in Square Edge, Quick-Seam or Tab Two
- Class 1 / Class A Fire Rating
- Radiant and vapor barrier all-in-one
- Single bubble provides an effective thermal break

### Applications:

- Metal Buildings (roof, walls)
- Residential Wall Cavities
- Post Frame Buildings

Physical Properties	Test	Value
NOMINAL THICKNESS	—	3/16"
FIRE RATING	ASTM E84-09/ASTM E2599-08	CLASS 1 / CLASS A
EMISSIVITY	ASTM C1371-04A	0.04
REFLECTIVITY	ASTM E903	0.96
WATER VAPOR PERMEABILITY	ASTM E96	0.01 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
UV TESTING	ASTM G155	90+% RETAINED RETENTION after 4000 hrs
FIRE RATING - FULL ROOM BURN	NFPA 286	PASSES

Verified by



### PATENTS

US Patent No.: 8,221,871  
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US Patent No.: 7,935,410  
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