Reflectix® Insulation

Technical Information

BB060410V2
Big Bubble, Double Bubble, Metalized Both Sides

Reflectix® Insulation consists of two outer layers of metalized polyester. Each layer is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength.

Temperature Range:	**-30 degrees to +180 degrees F**
Nominal Thickness:	**1 inch**
Weight:	**1.09 oz./sq. ft.**
Flame Spread Index (ASTM E 84):	**Less than 25**
Smoke Developed Index (ASTM E 84):	**Less than 50**
Fire Rating:	**Class A/Class 1**
Linear Shrinkage:	**None**
Reflectance (IR):	**96%**
Fungi Resistance:	**No Growth**
Emittance:	**0.04**
Pliability:	**No Cracking / No Delamination**
Bleeding and Delamination:	**Passed**
Elevated Temperature & Humidity Resistance:	
Delamination:	**Passed**
Corrosion:	**Passed**
Hot Surface Performance (250° F):	**Passed**
Permeance After Aging:	**0.025**
Permeance Before Aging:	**0.011**

Reflectix

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Reflectix® Insulation

Technical Information

DBWEF
Concrete Slab Insulation

Reflectix® Concrete Slab Insulation consists of seven layers. The first layer of clear poly is bonded to aluminum to protect from lime in curing concrete. Each outer layer is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength. The product includes a orange tape indicating which side of the product should be installed facing "up".

Temperature Range:	**-30 degrees to +180 degrees F**
Nominal Thickness:	**5/16 inch (.312)**
Weight:	**1.25 oz./sq. ft.**
Linear Shrinkage:	**None**
Water Vapor Transmission (ASTM E 96):	**0.02 Perms**
Puncture Resistance:	**60 lb./in.**
Mold and Mildew:	**No Growth**
Tensile Strength:	**3.7 N/mm**
Pliability:	**No Cracking**
Physical Properties - Compression	**6%**

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Reflectix® Insulation

Technical Information

RDBW3
Double Bubble, Metalized One Side, White One Side

Reflectix® Insulation consists of one outer layer of metalized polyester and one layer of white polyethylene. Each layer is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength.

Temperature Range:	-30 degrees to +180 degrees F
Nominal Thickness:	5/16 inch (.312)
Weight:	.80 oz./sq. ft.
Flame Spread Index (ASTM E 84):	Less than 25
Smoke Developed Index (ASTM E 84):	Less than 50
Fire Rating:	Class A/Class 1
Linear Shrinkage:	None
Reflectance (IR):	96% (Metal Side)
Fungi Resistance:	No Growth
Emittance:	0.04 (Metal Side)
Pliability:	No Cracking / No Delamination
Bleeding and Delamination:	Passed
Elevated Temperature & Humidity Resistance:	
Delamination:	None
Corrosion:	None
Loss of Metalization:	None
Permeance After Aging:	0.023
Permeance Before Aging:	0.01

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Reflectix® Insulation

Technical Information

RSB3

Single Bubble, Metalized Both Sides

Reflectix® Insulation consists of two outer layers of metalized polyester. Each layer is bonded to a tough layer of polyethylene for strength. One inner layer of insulating bubbles resist conductive heat flow.

Temperature Range:	**-30 degrees to +180 degrees F**
Nominal Thickness:	**3/16 inch (.188)**
Weight:	**.53 oz./sq. ft.**
Flame Spread Index (ASTM E 84):	**Less than 25**
Smoke Developed Index (ASTM E 84):	**Less than 50**
Fire Rating:	**Class A/Class 1**
Linear Shrinkage:	**None**
Reflectance (IR):	**96% (Metal Side)**
Fungi Resistance:	**No Growth**
Emittance:	**0.04 (Metal Side)**
Pliability:	**No Cracking / No Delamination**
Bleeding and Delamination:	**Passed**
Elevated Temperature & Humidity Resistance:	
Delamination:	**None**
Corrosion:	**None**
Loss of Metalization:	**None**
Permeance After Aging:	**0.024**
Permeance Before Aging:	**0.01**

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Reflectix® Insulation

Technical Information

RSBW3

Single Bubble, Metalized One Side, White One Side

Reflectix® Insulation consists of one outer layer of metalized polyester and one layer of white polyethylene. Each layer is bonded to a tough layer of polyethylene for strength. One inner layer of insulating bubbles resist conductive heat flow.

Temperature Range:	**-30 degrees to +180 degrees F**
Nominal Thickness:	**3/16 inch (.188)**
Weight:	**.47 oz./sq. ft.**
Flame Spread Index (ASTM E 84):	**Less than 25**
Smoke Developed Index (ASTM E 84):	**Less than 50**
Fire Rating:	**Class A/Class 1**
Linear Shrinkage:	**None**
Reflectance (IR):	**96% (Metal Side)**
Fungi Resistance:	**No Growth**
Emittance:	**0.04 (Metal Side)**
Pliability:	**No Cracking / No Delamination**
Bleeding and Delamination:	**Passed**
Elevated Temperature & Humidity Resistance:	
Delamination:	**None**
Corrosion:	**None**
Loss of Metalization:	**None**
Permeance After Aging:	**0.01**
Permeance Before Aging:	**0.025**

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Reflectix® Insulation

Technical Information

RDB1
Double Bubble, Metalized Both Sides

Reflectix® Insulation consists of two outer layers of metalized polyester. Each layer is bonded to a tough layer of polyethylene for strength. Two inner layers of insulating bubbles resist conductive heat flow while a center layer of polyethylene gives Reflectix® high reliability and strength.

Temperature Range:	**-30 degrees to +180 degrees F**
Nominal Thickness:	**5/16 inch (.312)**
Weight:	**1.25 oz./sq. ft.**
Flame Spread Index (ASTM E 84):	**Less than 25**
Smoke Developed Index (ASTM E 84):	**Less than 50**
Fire Rating:	**Class A/Class 1**
Linear Shrinkage:	**None**
Reflectance (IR):	**96%**
Fungi Resistance:	**No Growth**
Emittance:	**0.04**
Pliability:	**No Cracking / No Delamination**
Bleeding and Delamination:	**Passed**
Elevated Temperature & Humidity Resistance:	
Delamination:	**None**
Corrosion:	**None**
Loss of Metalization:	**None**
Permeance After Aging:	**0.024**
Permeance Before Aging:	**0.015**

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Reflectix® Insulation

Technical Information

EXP
Expansion Joint

Reflectix® Expansion Joint is a durable, lightweight, closed-cell foam product designed as an efficient solution for concrete placement and repairs.

Recovery (%):	97.8
Extrusion (in):	0.12
Compressive Strength	
@ 25% (psi):	5.8
Compressive Strength	
@ 50% (psi):	14.9
Compression Set	
Suffix B:	18.3
Tensile Stress (psi)	
Suffix T	
md:	103
cmd:	68
Tear Resistance (lb/in)	
Suffix G	
md:	14
cmd:	24
Density Range (lb/ft3) (nominal):	2
Water Absorption (lb/ft2):	0.001

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Reflectix® Insulation

Technical Information

CF
Sill Seal, Expanded Polyethylene Foam

Reflectix® Sill Seal is a ribbed, closed-cell, polyethylene foam product designed to reduce air leakage between the foundation wall and sill plate.

Property:	Units:	
Nominal Density	PCF	1.1 – 1.5
Compression Strength	PSI	2.0 – 3.5 @ 30%
Impact Sound Trans.	IIC	47
Sound Trans. Rate	STC	50
Working Temp.	Deg. F	-65 to 165
Linear Shrinkage	%	< 5%
Chemical Resistance	N/A	Excellent
Tensile Strength	PSI	70 – 86
Elongation	%	76 – 80
Tear Strength	Lbf/in	6.6 – 8.7
Water Absorption	%	< 0.1
Gauge	Inch .050 – 0.250	

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Reflectix® Insulation

Technical Information

RB4812550

Radiant Barrier with Woven Polyethylene Fabric, Perforated

Reflectix® Radiant Barrier consists of two outer layers of 96% reflective metalized film bonded together enclosing a woven polyethylene fabric, perforated.

Weight:	**15.0 lbs per 500 sq. ft.**
Flame Spread Index (ASTM E 84):	**Less than 25**
Smoke Developed Index (ASTM E 84):	**Less than 50**
Fire Rating:	**Class A/Class 1**
Reflectance (IR):	**96%**
Fungi Resistance:	**No Growth**
Emittance:	**0.04**
Pliability:	**No Cracking or Delamination**
Bleeding and Delamination:	**Passed**
Adhesive Performance:	**No Bleeding or Delamination**
Corrosivity:	**Pass**
Product Thickness:	**0.006**
Permeance:	**6.3 Perms**
Tensile/Tear Strength:	
Length:	**13.23 Pounds Force**
Width:	**13.98 Pounds Force**

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Reflectix® Insulation

Technical Information
HVSPACER

Hard Plastic HVAC Duct Spacer

Reflectix Spacer HVSPACER is for use in conjunction with the Reflectix duct insulation. Spacers are easy to work with and provide an enclosed air space between the duct and the insulation. The enclosed air space (and number of enclosed air spaces) determines the R-value for that particular system. This plastic corner spacer consists of two plastic tabs (at right angles) and is designed to be attached to the duct corner by means of a double sided tape (with a pull-away liner). Simply peel away adhesive backing and apply spacer to clean duct surface. Then wrap duct with Reflectix reflective duct insulation.

Nominal Dimensions (W x D x H)	1.5 in. x 1.25 in. x 1.5 in.
Nominal Weight	0.5 ounces
Construction	Hard Plastic
Liner Design	Double-Sided Tape with Pull-away Liner
Tariff Code	3923.90.9995
SDS	Not Required

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