



Bay Insulation Systems' Faced Metal Building Insulation is comprised of a resilient, light density fiberglass blanket, being NAIMA 202-96® (Rev. 2000) Insulation only, laminated to a high quality vapor retarder facing, and is compliant with the NIA Certified Faced Insulation® Standard.

Every order is custom laminated to fit your building dimensions and criteria. Each roll is individually tagged to identify its intended location in the building roof, sidewalls and endwalls.

### FEATURES

Bay Insulation Systems Faced Metal Building Insulation is made-to-order, specifically for your pre-engineered metal building system. Each roll is custom cut to fit the building roof and walls.

### PHYSICAL PROPERTIES (Faced Metal Building Insulation Composite Material)

Property	Test Method	Value
Thickness & Thermal Resistance	ASTM C167, ASTM C177 / C518 *Home Innovations Lab Certified	3.0" - R10 3.5" - R11 4.0" - R13 5.0" - R16 6.0" - R19 8.0" - R25 9.0" - R30
Surface Burning Characteristics	UL723, ASTM E84, NFPA 255 *Underwriters Lab Certified *Factory Mutual Approved <sup>1</sup>	Flame Spread Index <25 Smoke Developed <50 Class A / Class 1

<sup>1</sup> FM Approval upon request ONLY

### AVAILABLE SIZES

R-Value	Nominal Thickness <sup>2</sup>	Standard Widths <sup>3</sup>	Lengths
R-10	3.0"	36", 48", 60", 72"	Custom laminated to length.
R-11	3.5"	36", 48", 60", 72"	Custom laminated to length.
R-13	4.0"	36", 48", 60", 72"	Custom laminated to length.
R-16 <sup>4</sup>	5.0"	36", 48", 72"	Custom laminated to length.
R-19	6.0"	36", 48", 60", 72"	Custom laminated to length.
R-25	8.0"	48", 60", 72"	Custom laminated to length.
R-30	9.0"	48", 60", 72"	Custom laminated to length.

<sup>2</sup> Thicknesses are post-laminated and may vary slightly based on insulation manufacturer <sup>3</sup> Custom widths also available

<sup>4</sup> Special order item; minimum order quantities may apply

## TECHNICAL INFORMATION

Bay Insulation Systems Faced Metal Building Insulation is manufactured in compliance with ASTM C991-16 (Type II), “Standard Specification for Flexible Fibrous Glass Insulation for Metal Buildings” and the NIA Certified Faced Insulation® Standard.

Bay Insulation Systems Faced Metal Building Insulation uses only NAIMA 202-96® Insulation. To ensure compliance with the NIA Certified Faced Insulation® Standard, as well as FTC Rule 460, regular sampling and testing is performed by the National Association of Home Builders Home Innovation Research Lab in each of our facilities. The final product is labeled with the nominal R-value, and has the Home Innovation Lab Certified mark on the label.

To ensure compliance with the NIA Certified Faced Insulation® Standard, our Faced Metal Building Insulation has a Class A Fire Rating. Our Faced Metal Building Insulations have undergone the rigorous Steiner Tunnel Test at Underwriters Laboratories, per UL723/ASTM E84 and have passed for Flame Spread of less than 25 and Smoked Developed of less than 50. To further ensure that our manufactured Faced Metal Building Insulations comply on a

daily basis, Bay Insulation Systems Laminating Facilities are UL Certified. Our Faced Metal Building Insulation products are manufactured under UL’s Follow-Up Program. The following Bay Metal Building Insulation products bear the UL Classification Mark for FHC 25/50:

- FSK R-3035 HD Laminated Metal Building Insulation
- Vinyl Laminated Metal Building Insulation
- WMP®-10 Laminated Metal Building Insulation
- WMP®-30 Laminated Metal Building Insulation
- WMP®-50 Laminated Metal Building Insulation
- WMP®-VR Laminated Metal Building Insulation
- WMP®-VR-R Plus Laminated Metal Building Insulation
- Arenashield Laminated Metal Building Insulation
- Gymguard Laminated Metal Building Insulation

### Applicable Standards, Code Compliance

- NIA Certified Faced Insulation® Standard
- UL Certified FHC 25/50, Class A
- ASTM C991-16, Type II
- Factory Mutual Class 4880, *Approval Standard for Class 1 Fire Rating of Building Panels or Interior Finish Materials* - (Upon request ONLY)

## FACING OPTIONS

Style	Description	NRC	PERM
White Vinyl	Bright white finish. Economical. Not recommended for cold weather applications.	-	1.00
WMP®-VR	White polypropylene film, fiberglass & polyester scrim, 11# natural kraft.	.85	0.09
WMP®-VR-R Plus	White polypropylene film, fiberglass scrim, metallized polyester film.	.80	0.02
WMP®-10	White polypropylene film, metallization, fiberglass & polyester scrim, 14# white kraft.	.85	0.02
WMP®-30	White polypropylene film, metallization, fiberglass & polyester scrim, 30# natural kraft.	.75	0.02
WMP®-50	White polypropylene film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester film.	.65	0.02
WMP®-UV HD <sup>5</sup>	White coating, white polypropylene film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester film.	-	0.02
FSK R-3035 HD	Aluminum foil, fiberglass & polyester scrim, 30# natural kraft.	.80	0.02
RADIANT ICE <sup>5</sup>	Aluminum foil, polyester film, fiberglass scrim, aluminum foil.	-	0.02
ARENASHIELD	Aluminum foil, fiberglass & polyester fabric.	.65	0.02
GYMGUARD	White polypropylene film, metallization, fiberglass & polyester fabric.	.70	0.02

5 Does not bear the UL label



[www.BayInsulation.com](http://www.BayInsulation.com)