



COMMERCIAL PRODUCT SELECTOR GUIDE



Innovative Commercial Insulation Products



FIBER GLASS INSULATION

- JM Climate Pro® Blow-in Insulation
- JM Spider® Blow-in Insulation
- Unfaced Batts and Rolls
- ComfortTherm® Batts and Rolls
- Kraft- and Foil-Faced Batts and Rolls
- FSK-25 Faced Batts and Rolls
- Panel Deck FSK-25 and PSK Faced Batts and Rolls

MINERAL WOOL INSULATION

- MinWool® Sound Attenuation Fire Batts
- MinWool® Safing
- MinWool® Curtainwall

SPECIALTY INSULATION

- Insul-SHIELD® Unfaced, Black, FSK, & PSK Faced Boards
- Insul-SHIELD® Coated Black Rolls

SHEATHING INSULATION

- AP™ Foil-Faced Foam Sheathing
- CI Max® Foam Sheathing

SPRAY FOAM INSULATION

- JM Corbond III® Spray Polyurethane Foam
- JM Corbond MCS™ Spray Polyurethane Foam
- JM Open-cell Spray Polyurethane Foam

JM ICON KEY

	Thermal
	Acoustical
	Fire Resistant
	Moisture Control
	Recycled Content
	Formaldehyde-free™
	Air Control

MATERIALS MATTER

At Johns Manville, everyone in our company is committed to a core principle: Materials Matter. Our focus on performance inspires our research, design and manufacturing teams to consistently deliver quality products that promote more comfortable, healthier and energy-efficient environments.

ONE-STOP INSULATION SHOP

JM is the only company to manufacture and offer a complete hybrid solution that includes both spray foam and certified Formaldehyde-free™ fiber glass insulation. This means you can increase energy efficiency, deliver thermal comfort and provide acoustical performance with a single insulation source, no matter what the situation.



MINERAL WOOL INSULATION



SHEATHING INSULATION



SPRAY FOAM INSULATION



JM Climate Pro®

Thermal & Sound Control Blow-in Fiber Glass

Blow-in, loose-fill fiber glass insulation is designed for open attics and hard-to-reach locations like corners, edges and around framing. It is safe and easy to install and does not shrink or settle. Climate Pro insulation is for professionals using large truck-mounted high-volume production blowing wool machines and for the Blow-In-Blanket System® (BIBS®).

North American Average Recycled Content:

- 35% post consumer

AVAILABLE

R-VALUE

R-11 to R-60

JM Climate Pro Insulation – Open areas

Installation in open areas using a professional-grade blowing machine
(See package for sq. ft. coverage at each R-value.)

JM Climate Pro Insulation – Enclosed Cavities

Blow-In-Blanket System installation in walls, ceilings and floors
(See package for R-value and sq. ft. coverage at each cavity thickness.)

SPECIFICATION COMPLIANCE

ASTM C764, Type I
Surface Burning Characteristics (ASTM E84 and CAN/ULC S102.2):

- Flame Spread 25 or less
- Smoke Developed 50 or less

 Critical Radiant Flux (ASTM E970): Greater than 0.12 W/cm² (0.11 Btu/ft²-s)
 Combustion Characteristics (ASTM E136): Pass
 Water Vapor Sorption (ASTM C1104): 5% or less by weight
 Odor Emission (ASTM C1304): Pass
 Corrosiveness (ASTM C764): Pass
 Fungi Resistance (ASTM C1338): Pass
 Fungi Resistance (ASTM G21): Pass
 VOC Emissions (ES Section 01350): Pass



JM Spider®

Thermal & Sound Control Blow-in Fiber Glass

Custom Insulation System

Loose-fill fiber glass insulation with a spray adhesive added at the time of installation. The system is designed to help save time while reliably filling all gaps and voids in walls around electrical fixtures, pipes and other obstructions.

Installed Without Adhesive

JM Spider insulation can also be installed without adhesive in Drill-and-Fill and BIBS applications. The specially designed fibers are very effective at delivering the desired performance for these types of installs.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE

R-VALUE

R-13 to R-15 (2x4 cavity)

R-20 to R-23 (2x6 cavity)

(See package for sq. ft. coverage at each R-value.)

JM Spider insulation is available in:

- 30 lb. bags

JM Spider adhesive is available in:

- 280 gallon totes
- 55 gallon drums

SPECIFICATION COMPLIANCE

ASTM C764, Type I
Surface Burning Characteristics (ASTM E84 and CAN/ULC S102.2):

- Flame Spread 25 or less
- Smoke Developed Index 50 or less

 Critical Radiant Flux (ASTM E970): Greater than 0.12 W/cm² (0.11 Btu/ft²-s)
 Combustion Characteristics (ASTM E136): Pass
 Water Vapor Sorption (ASTM C1104): 5% or less by weight
 Odor Emission (ASTM C1304): Pass
 Corrosiveness (ASTM C764): Pass
 Fungi Resistance (ASTM C1338): Pass
 Fungi Resistance (ASTM G21): Pass
 VOC Emissions (ES Section 01350): Pass





Unfaced

Thermal & Sound Control Batts and Rolls

Light-density unfaced batts for installation within wall cavities, floors and ceilings. Available for metal or wood framing. May be used with a separate vapor retarder when moisture control is required. High-performance cathedral ceiling batts also available. Available in R-values ranging from R-11 to R-38.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
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Metal Framing

R-30/RSI-5.3	13" (330mm)	16" (406mm), 24" (610mm)
R-21/RSI-3.7	5½" (140mm)	16" (406mm)
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
R-13/RSI-2.3	3½" (89mm)	16" (406mm), 24" (610mm)
R-11/RSI-1.9	3½" (89mm)	16" (406mm), 24" (610mm)
N/A**	2¾" (70mm)	16" (406mm), 24" (610mm)

Wood Framing

R-38/RSI-6.7	12" (305mm)	16" (406mm), 24" (610mm)
	13" (330mm)	16" (406mm), 24" (610mm)
R-30/RSI-5.3	10¼" (260mm)	16" (406mm), 24" (610mm)
R-21/RSI-3.7	5½" (140mm)	15" (381mm), 23" (584mm)
R-19/RSI-3.3	6½" (165mm)	15" (381mm), 19" (483mm), 23" (584mm)
	3½" (89mm)	15" (381mm)
R-13/RSI-2.3	3½" (89mm)	15" (381mm), 23" (584mm)
R-11/RSI-1.9	3½" (89mm)	15" (381mm), 23" (584mm)

*Please check Product Availability Listing for latest sizing and availability.

**Sound control for interior walls.

Please check with your local sales representative for additional R-values and sizes.

SPECIFICATION COMPLIANCE

ASTM C665, Type I

Surface Burning Characteristics (ASTM E84):

- Flame Spread 25 or less
- Smoke Developed 50 or less

Critical Radiant Flux (ASTM E970): Greater than 0.12 W/cm² (0.11 Btu/ft²-s)

Water Vapor Sorption (ASTM C1104): 5% or less by weight

Odor Emission (ASTM C1304): Pass

Corrosiveness (ASTM C665, 13.8): Pass

Fungi Resistance (ASTM C1338): Pass

VOC Emissions (ES Section 01350): Pass



ComfortTherm®

Plastic-Wrapped Thermal & Sound Control Batts and Rolls

Poly-encapsulated batts designed for various concealed exterior and interior metal- or wood-framed cavities and directly above suspended ceilings. For wall applications, the vapor retarder is placed on the flange side while the remaining sides are perforated for moisture flow. For underfloor applications, the vapor retarder is placed on the side opposite the stapling flange.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
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Metal Framing

R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
R-13/RSI-2.3	3½" (89mm)	16" (406mm)

Above Suspended Ceilings

R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
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Wood Framing

R-30/RSI-5.3	10¼" (260mm)	16" (406mm), 24" (610mm)
R-21/RSI-3.7	5½" (140mm)	15" (381mm)
R-19/RSI-3.3	6½" (165mm)	15" (381mm), 23" (584mm)
R-13/RSI-2.3	3½" (89mm)	15" (381mm)

Underneath Wood Framing

R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
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*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C665, Type II, Class A, Category 1 (R-25 is Category 2; not classified as a vapor retarder)

Surface Burning Characteristics (ASTM E84):

- Flame Spread 25 or less
- Smoke Developed 50 or less

Critical Radiant Flux (ASTM E970): Greater than 0.12 W/cm² (0.11 Btu/ft²-s)

Water Vapor Permeance (ASTM E96) Facing: 0.5 Perms (29ng/Pa-s-m²)

Water Vapor Sorption (ASTM C1104): 5% or less by weight

Odor Emission (ASTM C1304): Pass

Corrosiveness (ASTM C665, 13.8): Pass

Fungi Resistance (ASTM C1338): Pass

VOC Emissions (ES Section 01350): Pass



FIBER GLASS INSULATION



Kraft- & Foil-Faced

Thermal & Sound Control Batt and Rolls

Light-density batts with foil or kraft facings for metal framing. Kraft-Faced batts are also available for wood-framed construction. Kraft- and Foil-Faced batts should be used in concealed applications. Foil facings provide excellent vapor retarders.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Metal Framing – Kraft Faced		
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
R-13/RSI-2.3	3½" (89mm)	16" (406mm), 24" (610mm)
R-11/RSI-1.9	3¾" (92mm)	16" (406mm), 24" (610mm)
Metal Framing – Foil Faced		
R-30/RSI-5.3	10¼" (260mm)	24" (610mm)
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
R-11/RSI-1.9	3¾" (92mm)	16" (406mm)

Wood Framing – Kraft Faced

Available from R-11 (RSI-1.9) to R-38 (RSI-6.7) in various widths of 11" (279 mm), 15" (381 mm), 16" (406 mm), 19" (483 mm), 23" (584 mm) and 24" (610 mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C665:

- Foil: Type III, Class B, Category 1
- Kraft: Type II, Class C, Category 1

Surface Burning Characteristics (ASTM E84):

- Foil: Flame Spread 75 or less
- Smoke Developed 150 or less
- Kraft: not rated for Flame Spread/Smoke Developed

Critical Radiant Flux (ASTM E970):

- Foil: Greater than 0.12 W/cm² (0.11 Btu/ft²·s)

Water Vapor Permeance (ASTM E96):

- Foil: 0.05 Perms (3 ng/Pa·s·m²)
- Kraft: 1.0 Perms (57 ng/Pa·s·m²)

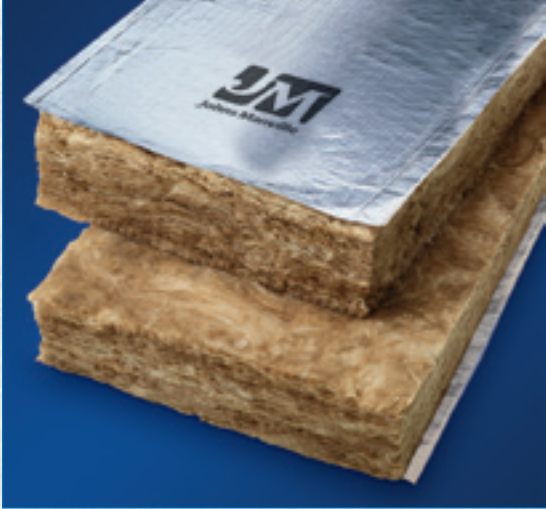
Water Vapor Sorption (ASTM C1104): 5% or less by weight

Odor Emission (ASTM C1304): Pass

Corrosiveness (ASTM C665, 13.8): Pass

Fungi Resistance (ASTM C1338): Pass

VOC Emissions (ES Section 01350): Pass



FSK-25 Faced

Flame Resistant Batts and Rolls

Light-density batts faced with FSK-25 for metal or wood framing. FSK-25 facings provide excellent vapor retarders. FSK-25 faced batts are for exposed applications.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Metal Framing		
R-30/RSI-5.3	10¼" (260mm)	16" (406mm), 24" (610mm)
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
R-13/RSI-2.3	3½" (89mm)	16" (406mm), 24" (610mm)
R-11/RSI-1.9	3%* (92mm)	16" (406mm), 24" (610mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

- ASTM C665:
- Type III, Class A, Category 1
- Surface Burning Characteristics (ASTM E84):
- Flame Spread 25 or less
 - Smoke Developed 150 or less
- Critical Radiant Flux (ASTM E970):
- Foil: Greater than 0.12 W/cm² (0.11 Btu/ft²-s)
- Water Vapor Permeance (ASTM E96)
- Foil: 0.05 Perms (3 ng/Pa-s-m²)
- Water Vapor Sorption (ASTM C1104):
- 5% or less by weight
- Odor Emission (ASTM C1304): Pass
 Corrosiveness (ASTM C665, 13.8): Pass
 Fungi Resistance (ASTM C1338): Pass
 VOC Emissions (ES Section 01350): Pass



Panel Deck FSK-25 & PSK* Faced

Flame Resistant Batts and Rolls

FSK-25 or PSK faced light-density batts with extended tabs for 2' x 4' (0.61 m x 1.22 m) panel deck roof applications. Ideal for applications where improved thermal performance and light reflectivity drive the design process. FSK-25 and PSK facings provide excellent vapor retarders.

North American Average Recycled Content:

- 35% post consumer

*Polypropylene-scrim-kraft.

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Panel Deck Wood Roof—FSK 25		
R-30/RSI-5.3	10¼" (260mm)	24" (610mm)
R-19/RSI-3.3	6½" (165mm)	23" (584mm)
Panel Deck Wood Roof—PSK		
R-19/RSI-3.3	6½" (165mm)	23" (584mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

- ASTM C665:
- FSK: Type III, Class A, Category 1
 - PSK: Type II, Class A, Category 1
- Surface Burning Characteristics (ASTM E84):
- FSK/PSK: Flame Spread 25 or less
 - Smoke Developed 50 or less
- Critical Radiant Flux (ASTM E970):
- Greater than 0.12 W/cm² (0.11 Btu/ft²-s)
- Water Vapor Permeance (ASTM E96):
- FSK: 0.05 Perms (3 ng/Pa-s-m²)
 - PSK: 0.1 Perms (6 ng/Pa-s-m²)
- Water Vapor Sorption (ASTM C1104):
- 5% or less by weight
- Odor Emission (ASTM C1304): Pass
 Corrosiveness (ASTM C665, 13.8): Pass
 Fungi Resistance (ASTM C1338): Pass
 VOC Emissions (ES Section 01350): Pass



MINERAL WOOL INSULATION



MinWool® Sound Attenuation Fire Batts

MinWool Sound Attenuation Fire Batt insulation is designed to deliver noise control and fire protection in steel-stud wall cavities of interior partitions or above suspended ceiling systems. MinWool Sound Attenuation Fire Batt insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder.

AVAILABLE*

THICKNESS	WIDTH
1-6" (25-152mm)	16" (406mm)
1-6" (25-152mm)	24" (610mm)

**½" increments are available. Minimum order quantity will apply. Custom sizes are also available.*

SPECIFICATION COMPLIANCE

ASTM C518 R-Value at 75°F (24°C), 3.7 per inch of thickness
ASTM C612 Material Specification, Types 1-4
ASTM C665 Corrosivity to Steel: Pass
ASTM C665 Material Specification, Type 1
ASTM C1104 Water Vapor Sorption, <1% by Weight;
<.02% by Volume at 120°F (49°C), 95% RH
ASTM C1338 Fungi Resistant: Pass
ASTM E84 Flame Spread/Smoke Developed, 5/0 or less
ASTM E136 Noncombustible: Pass
UL 723, CAN/ULC-S102-M, 5/0 or less
CAN4-S114-M: Pass
City of New York, MEA-346-90
ICC (International Building Code), All Building Classification Types
Nominal Density, 2.5 pcf (40kg/m³)



MinWool® Safing

MinWool Safing insulation is designed to be installed between the spandrel panel and floor slab in commercial curtainwall systems to provide a fire-rated seal. It also prevents the passage of flame and smoke in openings that penetrate fire-rated assemblies. MinWool Safing insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder.

AVAILABLE*

THICKNESS	WIDTH
Unfaced	
1–6" (25–152mm)	24" (610mm)

Faced	
2–4" (51–102mm)	24" (610mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C612 Material Specification, Types 1-4
 ASTM C665 Corrosivity to Steel: Pass
 ASTM 814 Through-Penetration Fire Stops: Used to rate approved assemblies
 ASTM C1104 Water Vapor Sorption, <1% by Weight, <.02% by Volume at 120°F (49°C), 95% RH
 ASTM C1338 Fungi Resistant: Pass
 ASTM E84 Flame Spread/Smoke Developed, Unfaced 5/0 or less; Faced 25/5 or less
 ASTM E96 FSP Facing Permeability Method A, 0.02 Perms, Maximum
 ASTM E136 Noncombustible: Pass
 CAN/ULC-S129 Smoulder Resistance: Pass
 UL 723, CAN/ULC-S102-M, Unfaced 5/0 or less; Faced 25/5 or less
 UL 1479 Through-Penetration Firestop Systems: Used to rate approved assemblies
 CAN4-S114-M: Pass
 City of New York, MEA-346-90



MinWool® Curtainwall

MinWool Curtainwall insulation is designed to provide superior fire resistance and thermal properties in glass, metal and masonry curtainwall spandrel systems. The board can be placed between or over framing members, and held in place with mechanical fasteners. MinWool Curtainwall insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder.

AVAILABLE*

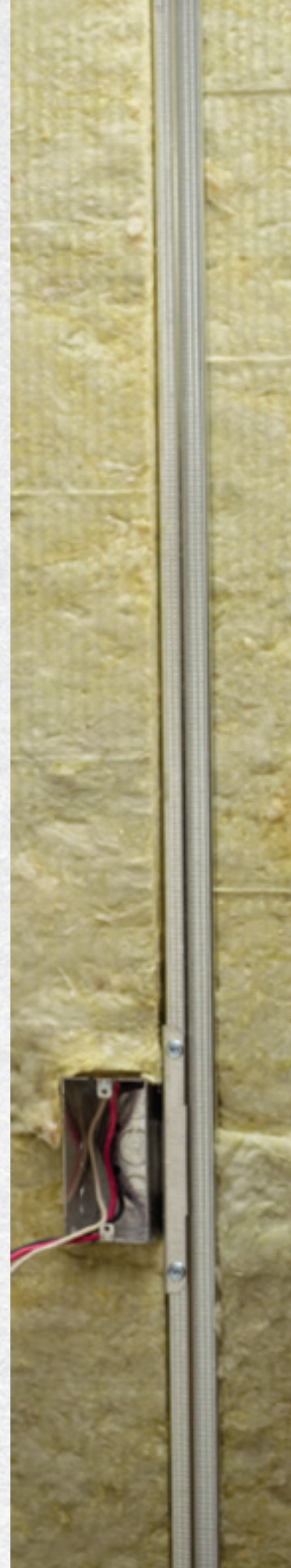
PRODUCT	R-VALUE/RSI	THICKNESS	WIDTH
Unfaced			
CW4	R-4/RSI-0.70	1–6" (25–152mm)	24" (610mm)
CW6	R-4.1/RSI-0.72	1½–6" (38–152mm)	24" (610mm)
CW8	R-4.2/RSI-0.74	1–4½" (25–114mm)	24" (610mm)

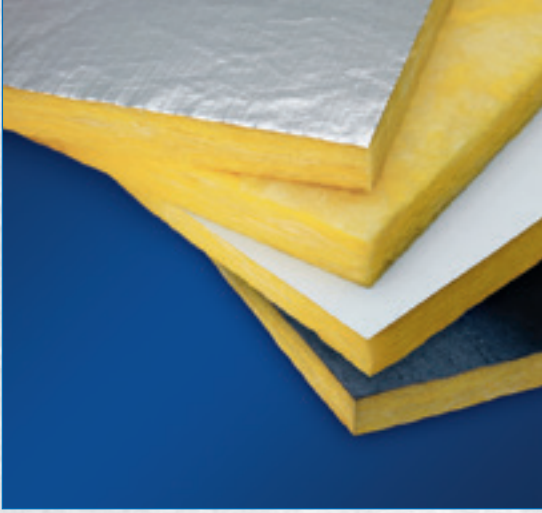
Faced			
CW4	R-4/RSI-0.70	>3" (>76mm)	24" (610mm)
CW6	R-4.1/RSI-0.72	2–6" (51–152mm)	24" (610mm)
CW8	R-4.2/RSI-0.74	1½–4½" (38–114mm)	24" (610mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C423 Noise Reduction Coefficient (2" [51 mm], Type "A" Mounting), 1.05
 ASTM C612 Material Specification, Types 1-4
 ASTM C665 Corrosivity to Steel: Pass
 ASTM C1104 Water Vapor Sorption, <1% By Weight, <.02% by Volume at 120°F (49°C), 95% RH
 ASTM C1338 Fungi Resistant: Pass
 ASTM E84 Flame Spread/Smoke Developed, Unfaced 5/0 or less; Faced 25/5 or less
 ASTM E96 FSP Facing Permeability, 0.02 Perms, Maximum
 ASTM E136 Noncombustible: Pass
 UL 723, CAN/ULC-S102-M, Unfaced 5/0 or less; Faced 25/5 or less
 City of New York, MEA-346-90
 ICC (International Building Code), All Building Classification Types





Insul-SHIELD® Unfaced, Black, FSK & PSK Faced Boards

Unfaced or black-faced boards for curtainwall and other general commercial construction applications. Generally used where framing members are not present.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

TYPE	THICKNESS	DENSITY	R-VALUE/RSI
Unfaced			
**I/S 150	1-4" (25-102mm)	1.50 pcf (24 kg/m ³)	R-4.2-R-10.4 RSI-0.74-RSI-1.83
**I/S 225	1-3" (25-76mm)	2.25 pcf (36 kg/m ³)	R-4.3-R-10.9 RSI-0.76-RSI-1.92
I/S 300	1-3" (25-76mm)	3.00 pcf (48 kg/m ³)	R-4.3-R-17.4 RSI-0.74-RSI-3.06
I/S 600	1-2" (25-51mm)	6.00 pcf (96 kg/m ³)	R-4.3-R-9.1 RSI-0.74-RSI-2.1

FSK, PSK, Black

I/S 300	1-3" (25-76mm)	3.00 pcf (48 kg/m ³)	R-4.3-R-17.4 RSI-0.76-RSI-3.06
I/S 600	1-2" (25-51mm)	6.00 pcf (96 kg/m ³)	R-4.5-R-9.1 RSI-0.79-RSI-2.1

*Please check Product Availability Listing for latest sizing and availability.

**May be subject to minimum order quantity.

SPECIFICATION COMPLIANCE

ASTM C612:

- PSK: Type II, Class A, Category 1
- FSK: Type III, Class A, Category 1

Unfaced: Type IA, or Type IB (IS300, IS600)

All: Surface Burning Characteristics (ASTM E84):

- FSK/PSK: Flame Spread 25 or less Smoke Developed 50 or less

Maximum Use Temperature (ASTM C411):

- Unfaced: 350°F (177°C)
- Faced: 250°F (121°C)

Combustion Characteristics (ASTM E136): IS150, IS225, IS300: Pass

Water Vapor Permeance (ASTM E96):

- PSK: 0.10 Perms (6 ng/Pa-s-m²)
- FSK: 0.05 Perms (3 ng/Pa-s-m²)

Water Vapor Sorption (ASTM C1104): 5% or less by weight

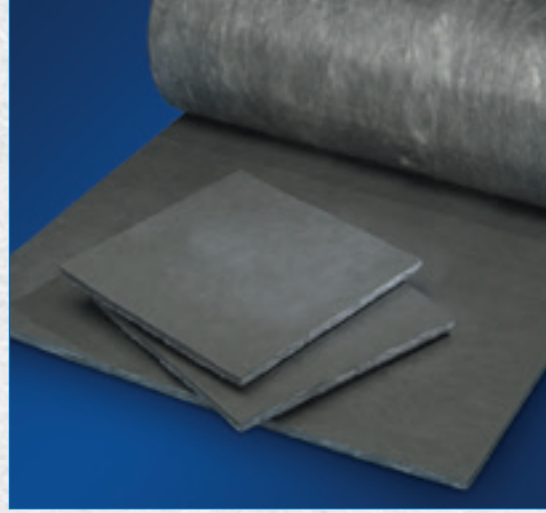
Compressive Resistance (ASTM C165): IS300, IS600: 25 psf (1.2 kPa)

@10% Linear Shrinkage (ASTM C356): none

Odor Emission (ASTM C1304): Pass

Corrosiveness (ASTM C665, 13.8): Pass

Fungi Resistance (ASTM C1338): Pass



Insul-SHIELD® Coated Black Rolls

Semi-rigid Fiber Glass Insulation

Durable black-coated surface laminated to face and edge of black fiber glass blanket. For use in any application requiring excellent acoustical performance. Generally used where framing members are not present. Available in rolls and boards.

North American Average Recycled Content:

- 35% post consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	NRC
1" (25mm)	R-4/RSI-0.70	0.70
2" (51mm)	R-8/RSI-1.41	1.00

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C612: Type 1A, Category 1

Surface Burning Characteristics (ASTM E84):

- Flame Spread 25 or less Smoke Developed 50 or less

Maximum Use Temperature (ASTM C411): 250°F (121°C)

Water Vapor Sorption (ASTM C1104): 5% or less by weight

Linear Shrinkage (ASTM C356): none

Odor Emission (ASTM C1304): Pass

Corrosiveness (ASTM C665, 13.8): Pass

Fungi Resistance (ASTM C1338): Pass



AP™ Foil-Faced

Polyisocyanurate Foam Sheathing

Rigid foam sheathing insulation for use in commercial and residential construction where continuous insulation and/or high thermal efficiency is required. Reduces thermal bridging at framing members and is noncorrosive and lightweight. Behind an approved thermal barrier, approved for use in above and below grade exterior walls, above and below grade interior walls, attics and cathedral ceilings, and crawl spaces.

When properly installed, functions as a water-resistive barrier, vapor barrier, and air barrier, eliminating the need for additional components. Reflective foil facer on one side, nonreflective foil facer on the other.

Approvals

ICC-ESR-3398 Thermal, Air Barrier, Water-Resistive Barrier
ABAA Evaluated Material, Assembly
ENERGY STAR

AVAILABLE*

R-VALUE/RSI	THICKNESS
R-28 (RSI-5.09)	4½" (114mm)
R-26 (RSI-4.52)	4" (102mm)
R-22 (RSI-3.94)	3½" (89mm)
R-19 (RSI-3.36)	3" (76mm)
R-16 (RSI-2.79)	2½" (64mm)
R-13 (RSI-2.21)	2" (51mm)
R-9.3 (RSI-1.63)	1½" (38mm)
R-6.0 (RSI-1.06)	1" (25mm)
R-4.4 (RSI-0.77)	¾" (19mm)
R-3.5 (RSI-0.62)	⅝" (16mm)
R-2.7 (RSI-0.48)	½" (13mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C1289, Type I, Class 1
ASTM D1621 Compressive Strength, ≥16 psi (110 kPa)
ASTM D2126 Dimensional Stability, 2% max, 7 days (length and width)
ASTM E96 Moisture Vapor Transmission** 0.05 perm (3 ng/Pa·s·m²)
ASTM C209 Water Absorption,** 0.1% volume
ASTM E84 Flame Spread,** ≤ 25
Service Temperature: -100°F to 250°F (-73°C to 122°C)
California State Insulation Quality Standards
NFPA 285, Standard Fire Test Method for Evaluation of Fire Propagation
AC 71, Acceptance Criteria for Foam Plastic Sheathing Panels Used as Water-Resistive Barriers
ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
AATCC Test Method 127, Water Resistance: Hydro Static Pressure Test
ASTM E1233, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Cyclic Air Pressure Differential
ASTM E2178, Standard Test Method for Air Permeance of Building Materials
ASTM E2357, Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
VOC Emissions per CA Specification 01350: Pass

**Foam core tested at 4.5 inches.



CI Max®

Foam Sheathing

Rigid foam sheathing insulation designed for exposed interior use on walls or ceilings in residential and Types I-V commercial construction. It is made from a uniform closed-cell polyisocyanurate foam core bonded on each side to a silver or white foil and glass mat facer.

Approvals

ICC-ESR-3398 Thermal
ENERGY STAR

AVAILABLE*

R-VALUE/RSI	THICKNESS
R-26/RSI-4.52	4" (102mm)
R-22/RSI-3.94	3½" (89mm)
R-19/RSI-3.36	3" (76mm)
R-16/RSI-2.79	2½" (64mm)
R-13/RSI-2.21	2" (51mm)
R-10/RSI-1.81	1¾" (42mm)
R-9.3/RSI-1.63	1½" (38mm)
R-6.0/RSI-1.06	1" (25mm)
R-4.5/RSI-0.79	¾" (19mm)
R-2.7/RSI-0.48	½" (13mm)

*Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

ASTM C1289, Type I, Class 1
ASTM D1621 Compressive Strength, ≥16 psi (110 kPa)
ASTM D2126 Dimensional Stability, 2% max, 7 days (length and width)
ASTM E96 Moisture Vapor Transmission, 0.02 perm (1.4 ng/Pa·s·m²)
ASTM C209 Water Absorption,** <0.6% volume
ASTM E84 Flame Spread, ≤ 25
ASTM E84 Smoke Development, ≤ 450
Service Temperature: -100°F to 250°F (-73°C to 122°C)
California State Insulation Quality Standards
NFPA 286, Standard Methods of Fire Tests for Evaluating Wall and Ceiling Interior Finish to Room Fire Growth
VOC Emissions per CA Specification of 01350: Pass

**Foam core tested at 4.0 inches.



JM Corbond III®

Spray Polyurethane Foam

Closed-cell JM Corbond III spray foam is a premium insulation that offers superior thermal performance, advanced air isolation and excellent moisture control. It resists mold and mildew, which improves the indoor environment. Our spray foam insulation allows a 3-inch lift in a single pass while providing an R-21. JM Corbond III boasts an industry-leading R-value of 7.0/per inch and can be applied on substrates as low as 20 degrees Fahrenheit. JM Corbond III insulation and its unique Lavender® color have become the symbol of uncompromising quality and performance.

North American Average Recycled Content:

- 10% combined post and pre consumer in Side B

AVAILABLE

R-VALUE/RSI	THICKNESS
R-42/RSI-7.4	6" (152mm)
R-21/RSI-3.7	3" (76mm)

SUBSTRATE APPLICATION

Winter	Min. 20°F	Max. 70°F
Summer	Min. 45°F	Max. 120°F

May be applied in passes of uniform thickness from a minimum of a half inch to a maximum of three inches.

SPECIFICATION COMPLIANCE

- ASTM Standard C1029
- Surface Burning Characteristics (ASTM E84)
 - Flame Spread 25 or less
 - Smoke Developed Index 450 or less
- Flame and Smoke (ASTM E84)
 - Passes @ 6"
- Water Absorption (ASTM D2842)
 - 0.020 (gm/cc)
- Water Vapor Transmission (ASTM E96)
 - 0.61 perms @ 1.5"
- Air Infiltration (ASTM E283-04)
 - 75 Pa 0.001 L/S/m² (1.57 psf) (<0.001 cfm/ft²)
 - 300 Pa 0.001 L/S/m² (6.24 psf) (<0.001 cfm/ft²)
- Air Permeance (ASTM E2178-03)
 - 75 Pa 0.000055 L/S.m².Pa
 - 0.000117 ft³/min.m².Pa
 - 300 Pa 0.000024 L/S.m².Pa
 - 0.000051 ft³/min.m².Pa
- Sound Transmission Coefficient (STC) (ASTM E90-90 & E413-87)
 - 36 (STC)



JM Corbond MCS™ SPF

Spray Polyurethane Foam

Closed-cell JM Corbond MCS spray foam acts as a climate barrier, keeping the indoors from the outdoors. The closed-cell polyurethane foam provides superior thermal performance in addition to important air and moisture isolation. JM Corbond MCS can provide an R-13 when installed at a thickness of 2 inches and R-38 at 6 inches. It offers a maximum thickness of up to 2 inches per pass and can be applied in temperatures as low as 45 degrees Fahrenheit.

North American Average Recycled Content:

- 13% combined post and pre consumer in Side B

AVAILABLE

R-VALUE/RSI	THICKNESS
R-41/RSI-6.7	6" (152mm)
R-20/RSI-3.5	3" (76mm)
R-6.8/RSI-1.2	1" (25mm)

SUBSTRATE APPLICATION

Min. 45°F	Max. 120°F
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May be applied in passes of uniform thickness from a minimum of a half inch to a maximum of two inches.

SPECIFICATION COMPLIANCE

- ASTM Standard C1029
- Surface Burning Characteristics (ASTM E84)
 - Flame Spread 25 or less
 - Smoke Developed Index 450 or less
- Water Absorption (ASTM D2842)
 - 0.020 (gm/cc)
- Water Vapor Transmission (calculated) (ASTM E96)
 - 0.7 perms @ 1.5"
- Air Infiltration (ASTM E283-04)
 - 75 Pa 0.001 L/S/m² (1.57 psf) (<0.001 cfm/ft²)
 - 300 Pa 0.001 L/S/m² (6.24 psf) (<0.001 cfm/ft²)
- Air Permeance (ASTM E2178-03)
 - 75 Pa 0.000055 L/S.m².Pa
 - 0.000117 ft³/min.m².Pa
 - 300 Pa 0.000024 L/S.m².Pa
 - 0.000051 ft³/min.m².Pa





JM Open-cell SPF

Spray Polyurethane Foam

JM ocSPF is a low-density, nonstructural open-cell spray polyurethane foam insulation that allows contractors to quickly insulate and air seal in a single step. It helps restrict moisture transmission, is mold and mildew resistant and minimizes sound transmission. JM ocSPF has a versatile range of R-values: R-3.8 when installed at a thickness of 1 inch, R-13 at 3.5 inches and R-19 at 5.5 inches. When used at a thickness of 3.5 inches, JM ocSPF is considered an effective air barrier, which improves the indoor environment and makes a building more comfortable. It can be applied when ambient air and surface temperatures are between 40 and 120 degrees Fahrenheit.

AVAILABLE

R-VALUE/RSI	THICKNESS
R-20/RSI-3.5	5½" (140mm)
R-13/RSI-2.3	3½" (89mm)
R-3.7/RSI-0.7	1" (25mm)

SUBSTRATE APPLICATION

Min. 40°F Max. 120°F

SPECIFICATION COMPLIANCE

- ASTM Standard C1029
- Surface Burning Characteristics (ASTM E84)
 - Flame Spread 25 or less
 - Smoke Developed Index 450 or less
- Fungi Resistance (ASTM G21)
 - Zero Rating
- Air Leakage Rate (ASTM E283)
 - < 0.02 (L/s)/m²
- Compressive Strength (ASTM D1621)
 - < 5 psi
- Apparent Density (ASTM D1622)
 - 0.5 pcf (Normal)
- Open-cell Content (ASTM D2856)
 - > 90%
- Tensile Strength (ASTM D1623)
 - < 5 psi
- Permeability (ASTM E96)
 - 21 perm-in
- Dimensional Stability (ASTM D2126)
 - <15% Change in Volume



Ask JM about fully loaded mobile spray rigs.



Johns Manville Insulation Systems

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