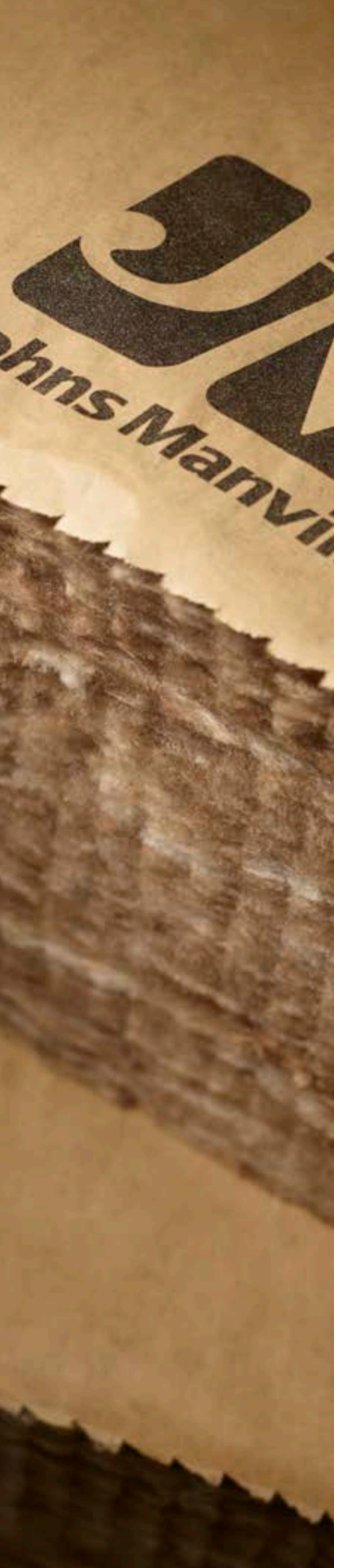
Johns Manville

RESIDENTIAL PRODUCT SELECTOR GUIDE

Innovative Home Insulation Solutions



AIR HANDLING SYSTEM PRODUCTS

- Flexible Air Duct with Flex-Glas® PC
- Microlite® XG™ Fiber Glass Duct Wrap

FIBER GLASS INSULATION

- ComfortTherm® Batts
- EasyFit® Perforated Batts
- Unfaced Batts
- Kraft-Faced Batts
- JM Climate Pro® Blow-in Insulation
- JM Spider® Blow-in Insulation

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 Foam

HYBRID INSULATION SOLUTIONS

- Custom Insulation Solutions

JM ICON KEY

	Thermal
	Acoustical
	Fire Resistant
	Moisture Control
	Recycled Content
FF	Formaldehyde-free™
MR	Mold Resistant

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 more 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.

FIBER GLASS INSULATION

SHEATHING INSULATION

SPRAY FOAM INSULATION

Flexible Air Duct

with Flex-Glas® PC

Flexible air duct with JM Formaldehyde-free™ Flex-Glas PC fiber glass insulation is flexible, so it's easier and faster to install, and it reduces the homeowner's energy bills because the insulation helps keep the air in the duct at a constant temperature, even if the duct is in an unconditioned space, such as an attic, basement or crawlspace. The fiber glass core reduces noise, so the home stays quieter.

North American Average Recycled Content:
• 20% post consumer • 5% pre consumer

Note: *JM itself does not manufacture flexible air duct. For more information on the availability of flexible air duct made with JM Formaldehyde-free™ Flex-Glas PC fiber glass insulation, contact your JM representative.*

AVAILABLE*

TYPE	R-VALUE/RSI
100	R-4.2/RSI-0.74
130	R-6.0/RSI-1.06
135	R-8.0/RSI-1.41

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

SPECIFICATION COMPLIANCE

ASTM Standard C518
ASTM Standard C553, Type I
UL 181 Surface Burning Characteristics (ASTM E84 and UL 723)
- Flame Spread 25 or less
- Smoke Developed Index 50 or less

Recognized component label for thermal performance
Fungi Resistance (ASTM C1338, UL 181): pass

Note: *Specification compliance data in this section are for the JM Formaldehyde-free™ Flex-Glas PC insulation used in this product.*

Microlite® XG™

Fiber Glass Duct Wrap

Fiber glass duct wrap insulation is used on the exterior of rectangular and round metal ducts as thermal insulation.

Operating Temperature Limit:
250°F (121°C)

North American Average Recycled Content:
• 20% post consumer • 5% pre consumer

AVAILABLE*

TYPE	THICKNESS	R-VALUE/RSI
75	1½" (38mm)	R-4.2/RSI-0.74
75	2" (51mm)	R-5.6/RSI-1.06
75	2⅓" (59mm)	R-6.5/RSI-1.14
75	3" (76mm)	R-8.3/RSI-1.46
100	1½" (38mm)	R-4.5/RSI-0.79
100	2" (51mm)	R-6.0/RSI-1.06
150	1½" (38mm)	R-4.7/RSI-0.83
150	2" (51mm)	R-6.3/RSI-1.11

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

SPECIFICATION COMPLIANCE

ASTM C553
- Type II – Type 75, 100 and 150
- Type III – Type 150

ASTM C1290
ASTM E84, FHC 25/50 – FSK Facing
ASTM C1136, Type II – FSK Facing
NYC MEA # 40-75-M
Canada: CGSB 51-GP-11M; CAN/ULC S102-M88

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:
• 20% post consumer • 5% pre consumer

Note: *JM ComfortTherm insulation is also available in several R-values with a non-vapor-retarder facing for use where vapor retarders are not appropriate.*

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Wood Framing		
R-30/RSI-5.3	12" (205mm)	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)
R-13/RSI-2.3	3½" (89mm)	15" (381mm), 23" (584mm)
R-11/RSI-1.9	3⅝" (89mm)	16" (406mm), 24" (610mm)
Underneath Wood Framing		
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)
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	3⅝" (92mm)	16" (406mm), 24" (610mm)
Above Suspended Ceilings		
R-19/RSI-3.3	6½" (165mm)	16" (406mm), 24" (610mm)

**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

EasyFit®

Perforated Thermal & Sound Control Batts

Pre-cut perforated batts come in a variety of sizes and R-values for use in nonstandard-width cavities. Eliminates time-consuming hand-cutting and enables a faster, easier and better-performing installation.

North American Average Recycled Content:
• 20% post consumer • 5% pre consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Wood Framing		
R-21/RSI-3.7	5½" (140mm)	15" (381mm)
R-19/RSI-3.3	6½" (165mm)	15" (381mm)
R-15/RSI-2.6	3½" (89mm)	15" (381mm)
R-13/RSI-2.3	3½" (89mm)	15" (381mm)

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

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

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:
• 20% post consumer • 5% pre consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Wood Framing		
R-30/RSI-5.3	12" (205mm)	16" (406mm), 24" (610mm)
	13" (205mm)	16" (406mm), 24" (610mm)
R-30/RSI-5.3	10¼ (260mm)	16" (406mm), 24" (610mm)
R-25/RSI-4.4	8½" (216mm)	15" (381mm), 23"(584mm), 24" (610mm)
R-22/RSI-3.9	7½" (191mm)	15" (381mm)
R-21/RSI-3.7	5½" (140mm)	15" (381mm), 23" (584mm)
R-19/RSI-3.3	6½" (165mm)	15" (381mm), 19" (483mm), 23" (584mm)
R-15/RSI-3.3	3½" (89mm)	15" (381mm), 23" (584mm) 23" (584mm)
R-13/RSI-2.3	3½" (89mm)	15" (381mm), 23" (584mm)
R-11/RSI-1.9	3½" (89mm)	15" (381mm), 23" (584mm)
Metal Framing		
R-30/RSI-5.3	10¼ (260mm)	16" (406mm), 24" (610mm)
R-25/RSI-4.4	8½" (216mm)	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	3⅝" (92mm)	16" (406mm), 24" (610mm)
N/A**	2¾" (70mm)	16" (406mm), 24" (610mm)

Please check Product Availability Listing for latest sizing and availability.
***Sound control for interior walls.*

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

Kraft-Faced

Thermal & Sound Control Batts 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:
• 20% post consumer • 5% pre consumer

AVAILABLE*

R-VALUE/RSI	THICKNESS	WIDTH
Wood Framing – Kraft Faced		
Available from R-11 (RSI-1.9) to R-38 (RSI-6.7) in various widths of 11" (279 mm), 12" (305 mm), 15" (381 mm), 16" (406 mm), 19" (483 mm), 23" (584 mm) and 24" (610 mm)		
Metal Framing – Kraft Faced		
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	3⅝" (92mm)	16" (406mm), 24" (610mm)
Metal Framing – Foil Faced		
R-30/RSI-5.3	12" (205mm)	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)
R-13/RSI-2.3	3½" (89mm)	15" (381mm), 23" (584mm)
R-11/RSI-1.9	3⅝" (89mm)	16" (406mm), 24" (610mm)

Please check Product Availability Listing for latest sizing and availability.

SPECIFICATION COMPLIANCE

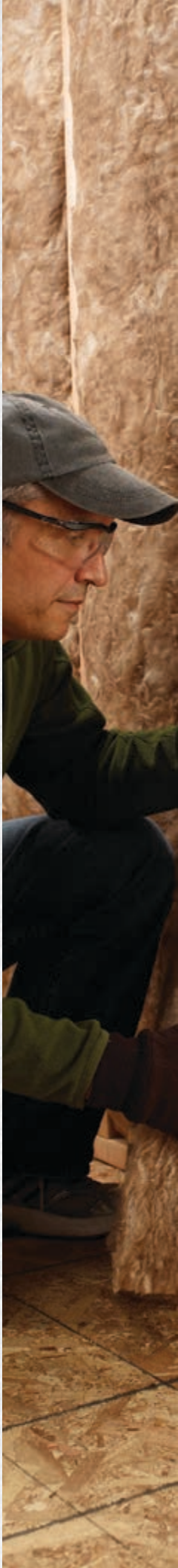
ASTM C665:
- Foil: Type III, Class B, Category 1
- Kraft: Type II, Class C, Category 1

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



JM Climate Pro®/ JM Attic Protector®

Thermal & Sound Control Blow-in Fiber Glass

JM blow-in Formaldehyde-free™ loose-fill fiber glass insulation is designed for attics. It is noncorrosive and noncombustible. JM Climate Pro insulation is for professionals using large truck-mounted, high-volume production blowing wool machines and for the Blow-In-Blanket® System (BIBS®) for blowing in to fill walls, ceilings and irregular spaces. JM Attic Protector insulation is for the remodeling professional or do-it-yourselfer who uses a portable blowing machine.

North American Average Recycled Content:
• 20% post consumer • 5% pre consumer

AVAILABLE

R-VALUE

R-11 to R-60

JM Climate Pro Insulation – Attics

Installation in attics 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.)

JM Attic Protector Insulation – Attics

Installation in attics using a portable blowing machine
(See package for sq. ft. coverage at each R-value.)

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:
• 20% post consumer • 5% pre 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 Standard 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) 0.12 W/cm² (0.11 Btu/ft²·s) or greater
Combustion Characteristics (ASTM E136): pass
Water Vapor Sorption (ASTM C1104) 5% by weight or less
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

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—behind gypsum board, all siding types, masonry cavity walls and cathedral ceilings. Reduces thermal bridging at framing members and is noncorrosive and lightweight. Reflective foil facer on one side, nonreflective foil facer on the other.

AVAILABLE*

R-VALUE/RSI	THICKNESS
R-25/RSI-4.40	4" (102mm)
R-22.8/RSI-4.01	3½" (89mm)
R-19.5/RSI-3.43	3" (76mm)
R-16.3/RSI-2.87	2½" (64mm)
R-13.0/RSI-2.29	2" (51mm)
R-9.8/RSI-1.73	1½" (38mm)
R-6.5/RSI-1.14	1" (25mm)
R-5.0/RSI-0.88	¾" (19mm)
R-4.1/RSI-0.72	¾" (16mm)
R-3.3/RSI-0.58	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 (110.3 kPa)
ASTM D2126 Dimensional Stability, 2% max, 7 days (length and width)
ASTM E96 Moisture Vapor Transmission* < 0.003 Perms (1.5 mg/P·s·m2)
ASTM C209 Water Absorption,* <1% volume
ASTM E84 Flame Spread,* 75
Service Temperature: -100˚F to 250˚F (-73˚C to 122˚C)
California State Insulation Quality Standards

**Foam core only.*

CI Max™

Foam Sheathing

Rigid foam sheathing insulation designed for exposed interior use in commercial and residential construction. It is made from a uniform closed-cell polyisocyanurate foam core bonded on each side to a printed foil and glass mat facer.

AVAILABLE*

R-VALUE/RSI	THICKNESS
R-25/RSI-4.40	4" (102mm)
R-22.8/RSI-4.01	3½" (89mm)
R-19.5/RSI-3.43	3" (76mm)
R-16.3/RSI-2.87	2½" (64mm)
R-13.0/RSI-2.29	2" (51mm)
R-10.0/RSI-1.73	1½" (38mm)
R-6.5/RSI-1.14	1" (25mm)
R-5.0/RSI-0.88	¾" (19mm)

**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) and 20 psi (138 kPa)
ASTM D2126 Dimensional Stability, 2% max, 7 days (length and width)
ASTM E96 Moisture Vapor Transmission, < 1 perm (57.5 ng/ Pa·s·m2)
ASTM C209 Water Absorption,* <1% volume
ASTM E84 Flame Spread, 25 or less (4")
ASTM E84 Smoke Development, 450 or less (4")
NFPA 286 Corner Burn Test
Service Temperature: -100˚F to 250˚ F (-73˚C to 122˚C)
California State Insulation Quality Standards

JM Corbond III®

Spray Polyurethane Foam

JM Corbond III closed-cell spray polyurethane foam (SPF) is a premium insulation solution, creating an advanced thermal, air and moisture barrier. This insulation offers a maximum lift thickness of up to 3 inches in a single pass, providing an R-value of 19 at 3 inches and R-39 at 6 inches. JM Corbond III SPF has one of the highest yields of any closed-cell foam insulation and can be installed in temperatures as low as 25 degrees Fahrenheit.

North American Average Recycled Content:
10% combined post and pre consumer in Side B

AVAILABLE

R-VALUE/RSI	THICKNESS
R-32/RSI-5.6	5" (127mm)
R-19/RSI-3.3	3" (76mm)
R-13/RSI-2.3	2" (51mm)

SUBSTRATE APPLICATION
Winter Min. 25°F Max. 60°F
Summer Min. 45°F Max. 90°F

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

SPECIFICATION COMPLIANCE

ABAA Licensed Manufacturer
CUFCA Licensed Manufacturer
NFPA 285 - Compliant with IBC Chapter 2603.5
- Exterior walls of Type I, II, III and IV buildings Pass

Density: 2.0 lbs/ft³
Surface Burning Characteristics (ASTM E84)
- Flame Spread 25 or less
- Smoke Developed 450 or less

Water Vapor Permeance (ASTM E96) 0.61 Perms or less @ 1.5" or greater
Water Absorption (ASTM E2824) 0.020 (gm/cc) less than 2% by volume
Compressive Strength (ASTM D1621)
- 25 lbs/in² @ 1"
- 20 lbs/in² @ 2"

JM Corbond MCS™

Spray Polyurethane Foam

JM Corbond Multi-Climate Solution (MCS) SPF provides superior thermal, air and moisture isolation. It offers a maximum lift thickness of up to 2 inches per pass providing an R-value of 13 at 2 inches and R-38 at 6 inches. JM Corbond MCS SPF can be installed 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-32/RSI-5.6	5" (127mm)
R-19/RSI-3.3	3" (76mm)
R-13/RSI-2.3	2" (51mm)

SUBSTRATE APPLICATION
Min. 45°F Max. 90°F

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

SPECIFICATION COMPLIANCE

NFPA 285 - Compliant with IBC Chapter 2603.5
- Exterior walls of Type I, II, III and IV buildings Pass

Density: 2.0 lbs/ft³
Surface Burning Characteristics (ASTM E84)
- Flame Spread 25 or less
- Smoke Developed 450 or less

Water Vapor Permeance (ASTM E96) 0.0 Perms @ 2" or greater
Water Absorption (ASTM E2824) 0.020 (gm/cc) less than 2% by volume
Compressive Strength (ASTM D1621)
- 25 lbs/in² @ 1"
- 20 lbs/in² @ 3"

JM Open-cell

Spray Polyurethane Foam

JM Open-cell spray foam (JM ocSPF) is a low-density, nonstructural insulation that offers a high yield while still providing important air isolation, versatile R-values and excellent acoustical performance. When installed at a thickness of 1 inch, it provides an R-value of 3.9, R-13 at 3.5 inches and R-19 at 5.5 inches. JM ocSPF has a wide application temperature range and can be installed as low as 40 degrees Fahrenheit.

AVAILABLE

R-VALUE/RSI	THICKNESS
R-20/RSI-3.3	5½" (140mm)
R-13/RSI-2.3	3½" (89mm)

SUBSTRATE APPLICATION
Min. 40°F Max. 120°F

May be applied in passes of uniform thickness up to a maximum of six inches.

SPECIFICATION COMPLIANCE

NFPA 285 - Compliant with IBC Chapter 2603.5
- Exterior walls of Type I, II, III and IV buildings Pass

Density: 2.0 lbs/ft³
Surface Burning Characteristics (ASTM E84)
- Flame Spread 25 or less
- Smoke Developed 450 or less

Water Vapor Permeance (ASTM E96) 0.0 Perms @ 2" or greater
Water Absorption (ASTM E2824) 0.020 (gm/cc) less than 2% by volume
Compressive Strength (ASTM D1621)
- 25 lbs/in² @ 1"
- 20 lbs/in² @ 3"

Hybrid Insulation Solutions

Hybrid insulation solutions offer custom insulation systems that adapt to your construction needs. The innovative systems can be created by applying multiple products in the same cavity or by separately installing both fiber glass and spray polyurethane foam insulation in the right areas of a home. Combining the proven performance of fiber glass insulation and the innovative product benefits of spray foam insulation creates flexible insulation systems that provide premium performance at an economical price.

Spray Foam and Batts/Rolls
- Fiber glass batts or rolls and spray polyurethane foam
- Superior thermal performance and advanced air isolation
- Layered application offers easy hybrid installation

Spray Foam and JM Spider Blow-in Insulation
- Premium hybrid insulation solution
- Easy spray-in for any shaped cavity
- Adaptable to almost any home design

BIBS® HP
- Closed-cell spray foam and fiber glass insulation
- BIBS mesh
- Innovative, adaptable application

Johns Manville Insulation Systems
717 17th Street | Denver, CO 80202 | 1-800-654-3103 | specJM.com

JMRES130070 BIC-564 7/13 (Replaces 3/12)