



COMMERCIAL MINERAL WOOL



Insulation Selector Guide

PERFORMANCE MATTERS.



Everyone at Johns Manville 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.

Our complete line of mineral wool insulation products is made from high-density, noncombustible inorganic fibers derived from basalt, a volcanic

rock, with a thermosetting resin binder. They provide exceptional thermal and acoustical performance, and help to delay the spread of fire.

Count on JM to consistently deliver reliable, high-quality mineral wool insulation products that surpass expectations and support occupant comfort and well-being.

Product Name

Description

Applications

Advantages

Availability

Thermal Performance

Specification Compliance

Sound Attenuation Fire Batts

Sound and Fire Control Insulation

The advanced technology used to manufacture MinWool Sound Attenuation Fire Batt (SAFB) Insulation ensures consistent product quality with high fiber density and low shot content for excellent performance. The fibers are bonded and formed into flexible batts. The product is manufactured in thicknesses from 1" to 3" and comes in standard metal frame widths.

Nominal Density: 2.5 pcf



MinWool SAFB Insulation is designed to deliver noise control and superior fire resistance in steel-stud wall cavities of interior partitions or above suspended ceiling systems. The batts do not slump or settle, retaining their sound and fire performance and R-Value. SAFB Insulation is compression packaged for savings in storage and freight costs.



Excellent Thermal Performance

- High R-Value

Excellent Acoustical Performance

- Improves the Sound Transmission Class (STC) ratings by up to 10 dB

Superior Fire Safety

- Flame Spread/Smoke Developed: Unfaced 5/0 or less

Noncombustible

- Per ASTM E136

Durable & Inorganic

- Does not support growth of fungi, nor does it sustain vermin

Quick Installation

- Easily cut with a knife

	in
Thickness*	1-3
Width	16, 24
Length	48

*½" increments.

Custom sizes are available up to 6" thick. Please see Product Availability Listing. Minimum order quantities are required. For LEED Certification information, please visit www.JM.com.

R-Value/Inch (per ASTM C518):

3.7 (hr•ft²•°F)/Btu



ASTM C665 Corrosivity to Steel — Passes

ASTM C665 Material Specification — Type 1

ASTM C1104 Water Vapor Sorption — <1% by Weight; <.02% by Volume at 120°F, 95% RH

ASTM C1338 Fungi Resistant — Passes

ASTM E84 Flame Spread/Smoke Developed — Unfaced 5/0 or less

ASTM E136 Noncombustible — Passes

City of New York — MEA-346-90

ICC (International Building Code) — All Building Classification Types

Nominal Density — 2.5 pcf

ASTM C518 R-Value at 75°F — 3.7 per inch of thickness

DISCLAIMER: JM products are designed, manufactured and tested to strict quality standards in our own facilities. This, along with third-party auditing, is your assurance that this product delivers consistent high quality.

Safing

Sound and Fire Control Insulation

The advanced technology used to manufacture MinWool Safing Insulation ensures consistent product quality, with high fiber density and low shot content, for excellent performance. Safing Insulation is manufactured in a standard 4" thickness, thickness, and is available plain or faced with a (FSP) Scrim Reinforced Foil Facing vapor retarder on one face. It is inorganic and will not mildew or support corrosion.

Nominal Density: 4 pcf



MinWool Safing Insulation provides a fire-rated seal when installed between the spandrel panel and the floor slab in commercial curtainwall systems, and around ducts and pipes. It also prevents the passage of flame and smoke in openings that penetrate fire-rated assemblies.



Excellent Thermal Performance

- High R-Value

Superior Fire Safety

- Two-hour and three-hour fire rated assemblies

Noncombustible

- Per ASTM E136

Durable & Inorganic

- Does not support growth of fungi, nor does it sustain vermin

Quick Installation

- Convenient job site fabrication

	in
Unfaced Thickness	1-6
Faced Thickness	2-4
Width	24
Length	48

Custom sizes are available up to 6" thick. Please see Product Availability Listing. Minimum order quantities are required. For LEED Certification information, please visit www.JM.com.

R-Value/Inch (per ASTM C518):

3.7 (hr•ft²•°F)/Btu



ASTM C612 Material Specification — Type 1-4

ASTM C665 Corrosivity to Steel — Passes

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, 95% RH

ASTM C1338 Fungi Resistant — Passes

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 — Passes

UL 1479 Through-Penetration Firestop Systems — Used to rate approved assemblies

City of New York — MEA-346-90

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Curtainwall

Sound and Fire Control Insulation

The advanced technology used to manufacture MinWool Curtainwall Insulation ensures consistent product quality, with high fiber density and low shot content, for excellent performance. Curtainwall Insulation is available plain or faced with a (FSP) Scrim Reinforced Foil Facing vapor retarder on one face.

Product	Nominal Density
Type	pcf
CW4	4
CW6	6
CW8	8



MinWool Curtainwall Insulation provides superior fire resistance and thermal properties in glass, metal, and masonry curtainwall spandrel systems. The lightweight, semi-rigid mineral wool board can be placed between or over framing members, and held in place with mechanical fasteners.



Excellent Thermal Performance

- High R-Value

Excellent Acoustical Performance

- Efficiently reduces sound transmission

Superior Fire Safety

- Two-hour and three-hour fire rated assemblies
- Melting point in excess of 2000°F
- Flame Spread/Smoke Developed: Unfaced 5/0 or less; Faced 25/5 or less

Durable & Inorganic

- Does not support growth of fungi, nor does it sustain vermin

Quick Installation

- Easy to install

Product Type	in
CW4	1-6
CW6	1½-6
CW8	1-4½

	in
Width	24
Length	48

*½" increments.

Custom sizes are available. Please see Product Availability Listing. Minimum order quantities are required. For LEED Certification information, please visit www.JM.com.

	R-Value/Inch (per ASTM C518)
Product Type	(hr•ft ² •°F)/Btu
CW4	4.0
CW6	4.1
CW8	4.2



ASTM C423 Noise Reduction Coefficient (2", Type "A" Mounting) — 1.05

ASTM C612 Material Specification — Types 1-4

ASTM C665 Corrosivity to Steel — Passes

ASTM C1104 Water Vapor Sorption — <1% By Weight; <.02% by Volume at 120°F, 95% RH

ASTM C1338 Fungi Resistant — Passes

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 — Passes

City of New York — MEA-346-90

ICC (International Building Code) — All Building Classification Types

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Helping contractors exceed expectations for more than 150 years.

It's not just insulation. It's the reputation of your business on the line. JM is your insulation partner dedicated to world-class support.

JM offers a wide range of benefits and services to enhance your business. From sales leads and business development credits to co-op buying programs and marketing support, our contractor program is one of the most comprehensive in the industry.

Innovative solutions from an industry leader.

We test for greater innovation in the lab so you can achieve enhanced performance on the site.

Save time with a single resource.

Johns Manville offers a complete line of commercial insulation solutions, available in mixed truckloads for savings you can pass along to your customers.

Take advantage of our technical expertise.

Installing insulation can have its challenges. With Johns Manville, our technicians are just a phone call away from helping answer any questions you may have. The JM technical staff offers a variety of onsite or classroom training opportunities for mineral wool insulation installers, as well as refresher classes and equipment support.

Call **800-654-3103** to speak to a Johns Manville representative today or visit **www.JM.com** to learn more.

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

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of mineral wool insulation listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the sales office nearest you for current information. All Johns Manville products are sold subject to Johns Manville's Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy or for information on other Johns Manville thermal and acoustical insulation and systems, visit the website or call the 800 number above.