Mineral Wool Safing

SOUND AND FIRE INSULATION

COMPANY

Johns Manville, a Berkshire Hathaway company, was founded in 1858. Our ownership by Berkshire Hathaway, one of the most admired companies in the world and one of the most financially secure, allows JM to invest for the future. This enables JM to continue delivering the broadest range of insulation products in the industry and offering innovative solutions that meet your needs.

DESCRIPTION

JM Mineral wool Safing Insulation is made of inorganic fibers derived from basalt, a volcanic rock. Advanced manufacturing technology ensures consistent product quality, with high-fiber density and low shot content for excellent performance. Mineral wool Safing is available plain or faced with a (FSP) Scrim Reinforced Foil-Facing vapor retarder on one face. Mineral wool Safing is inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

USE

Mineral wool Safing 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.

INSTALLATION

Mineral wool Safing should be installed according to the architect or project specifications and the instructions in the assembly listing. Mineral wool Safing is easily cut with a knife for quick installation and easy sizing. Install the insulation as specified in the listing or as required by the project drawings and specifications. Leave no voids. Compress the insulation as needed into all penetrations in fire-rated floor slabs and partitions. Completely fill voids around various assembly penetrations. Butt ends and edges closely together and fill all voids with additional insulation.

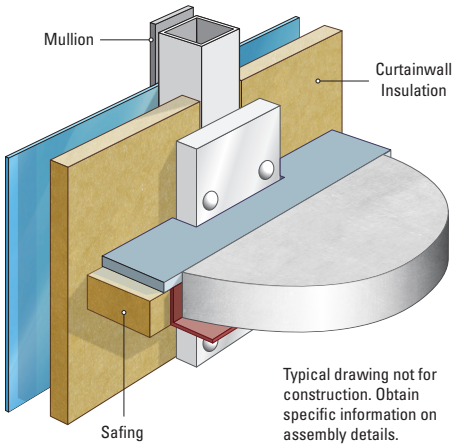
PACKAGING

Mineral wool Safing is packaged in poly shrink wrap.

DESIGN CONSIDERATIONS

Mineral wool Safing should be specified to meet building code requirements as a firestop or as part of a fire-rated joint, perimeter, wall, floor, ceiling or other assembly as required. Two-hour and three-hour fire-rated assemblies are listed in the UL Online Certifications Directory.

Typical Perimeter Fire Containment Joint



PERFORMANCE ADVANTAGES

Fire Safety: Mineral wool Safing has a melting point in excess of 2000°F (1093°C). See Specification Compliance for details.

Noncombustible: See Applicable Standards for details.

Durable & Inorganic: JM mineral wool Safing does not support growth of fungi, nor does it sustain vermin.

ENERGY AND ENVIRONMENT

LIMITATIONS OF USE

Check applicable building codes.

APPLICABLE STANDARDS & BUILDING APPLICATION*

MINERAL WOOL SAFING
ASTM C612 Material Specification, Type 1-4
ASTM C665 Corrosivity to Steel, Passes
ASTM E814 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, Passes
ASTM E84 Flame Spread/Smoke Developed, Unfaced 0/0 or less; Faced 25/5 or less
ASTM E96 FSP Facing Permeability Method A, 0.02 Perms, Maximum
ASTM E136 Noncombustible, Passes
CAN/ULC-S129 Smoulder Resistance, Passes
UL 723, CAN/ULC-S102-M, Unfaced 0/0 or less; Faced 25/5 or less
UL 1479 Through-Penetration Firestop Systems: used to rate approved assemblies
CAN4-S114-M, Passes
City of New York, MEA-346-90
Nominal Density, 4.0 pcf (64kg/m^3)

**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.*

STANDARD SIZE*

THICKNESS	WIDTH	LENGTH
in (mm)	in (mm)	in (mm)
4 (100)	24 (610)	48 (1219)

**Mineral wool Safing can also be furnished in other thicknesses and sizes on special order. Minimum order quantities will apply. Mineral wool Safing is available on a made-to-order basis with FSP facing on one side only.*

Visit our website at **www.JM.com** or call **800-654-3103** | **Building Insulation Division** P.O. Box 5108 | Denver, CO 80217-5108

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