

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 MinWool® 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. MinWool Safing is available plain or faced with a (FSP) Scrim Reinforced Foil-Facing vapor retarder on one face. MinWool Safing is inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

USE

MinWool 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

MinWool Safing should be installed according to the architect or project specifications and the instructions in the assembly listing. MinWool 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

MinWool Safing is packaged in poly shrink wrap.

DESIGN CONSIDERATIONS

MinWool 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.



PERFORMANCE ADVANTAGES

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

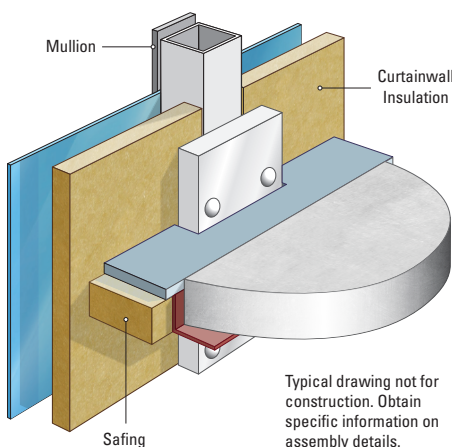
Noncombustible: See Applicable Standards for details.

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

ENERGY AND ENVIRONMENT



Typical Perimeter Fire Containment Joint



**GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2007 commercial building ventilation rates. This certification is proof that the product meets the GREENGUARD Environmental Institute's indoor air quality standards and product emission standards for VOCs.*

LIMITATIONS OF USE

Check applicable building codes.

APPLICABLE STANDARDS & BUILDING APPLICATION*

MINWOOL 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)

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