

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 Sound Attenuation Fire Batt (SAFB) 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 SAFB is inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

Mineral wool SAFB is available as an unfaced batt.

USE

Mineral wool SAFB is designed to deliver noise control in metal stud wall cavities of interior partitions, exterior walls or above suspended ceiling systems.

INSTALLATION

Mineral wool SAFB is easily cut with a knife for quick installation and snug fit, even around obstructions and structural members. Butt ends and edges closely together and fill all voids with additional insulation.

Install friction-fit mineral wool SAFB between metal wall studs, filling the entire cavity to the full height of the wall. Leave no voids.

PACKAGING

Mineral wool SAFB is compression-packaged for savings in storage and freight costs.

DESIGN CONSIDERATIONS

Acoustical performance of interior drywall partitions can be substantially improved by including a number of important design and construction details. Important details include sealing the perimeter of walls, wall intersection construction considerations, and the location and proper installation of electrical outlets, ducts, doors and mechanical equipment.

LIMITATIONS OF USE

Check applicable building codes.



PERFORMANCE ADVANTAGES

Excellent Acoustical Performance:

Lightweight, flexible insulation batts are excellent sound absorbers, efficiently reducing sound transmission. Mineral wool SAFB improves the Sound Transmission Class (STC) ratings of interior partition walls and suspended ceilings. Batts can improve wall assembly STC ratings by up to 10dB.

Fire Safety: Mineral wool SAFB has a melting point in excess of 2000°F (1093°C). See Applicable Standards for details.

Noncombustible: See Applicable Standards for details.

Durable & Inorganic: Mineral wool SAFB does not support growth of fungi, nor does it sustain vermin.

ENERGY AND ENVIRONMENT



**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.*

APPLICABLE STANDARDS & BUILDING APPLICATION*

| MINERAL WOOL SAFB |
|---|
| 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 (49°C), 95% RH |
| ASTM C1338 Fungi Resistant, Passes |
| ASTM E84 Flame Spread/Smoke Developed, 0/0 |
| ASTM E136 Noncombustible, Passes |
| UL 723, CAN/ULC-S102-M, 0/0 |
| CAN4-S114-M, Passes |
| City of New York, MEA-346-90 |
| ICC (International Building Code), All Building Classification Types |
| Nominal Density, 2.5 pcf (40kg/m ³) |
| 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.

STANDARD SIZES*

| THICKNESS | WIDTH | LENGTH |
|--------------------|---------------------|-----------|
| in (mm) | in (mm) | in (mm) |
| 1.5 - 6 (38 - 152) | 16 & 24 (406 & 610) | 48 (1219) |

*Thicknesses are available in 1/2" increments. Minimum order quantity may apply. Custom sizes are also available on a made-to-order basis.

ACOUSTICAL PERFORMANCE ASTM C423 Test Method (Type A Mounting)

| THICKNESS | SOUND ABSORPTION COEFFICIENTS | | | | | | |
|-----------|--|------|------|------|------|------|------|
| | 1/3 Octave Band Center Frequencies, Hz | | | | | | |
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
| in (mm) | | | | | | | |
| 1½ (38) | 0.23 | 0.42 | 0.89 | 1.03 | 1.03 | 1.03 | 0.85 |
| 2 (51) | 0.27 | 0.55 | 1.07 | 1.10 | 1.10 | 1.10 | 0.95 |
| 2½ (64) | 0.25 | 0.77 | 1.10 | 1.04 | 0.98 | 0.98 | 1.00 |
| 3 (76) | 0.34 | 0.92 | 1.16 | 1.04 | 0.98 | 0.98 | 1.05 |
| 3½ (89) | 0.41 | 1.01 | 1.20 | 1.06 | 1.06 | 1.05 | 1.10 |
| 4 (102) | 0.97 | 1.28 | 1.25 | 1.10 | 1.10 | 1.09 | 1.20 |
| 5 (127) | 0.66 | 1.30 | 1.27 | 1.11 | 1.07 | 1.02 | 1.20 |
| 6 (152) | 1.05 | 1.45 | 1.29 | 1.15 | 1.09 | 1.04 | 1.25 |