

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 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. MinWool SAFB is inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

MinWool SAFB is available as an unfaced batt.

USE

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

INSTALLATION

MinWool 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 MinWool SAFB between metal wall studs, filling the entire cavity to the full height of the wall. Leave no voids.

PACKAGING

MinWool 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. MinWool SAFB improves the Sound Transmission Class (STC) ratings of interior partition walls and suspended ceilings. Batt's can improve wall assembly STC ratings by up to 10dB.

Fire Safety: MinWool 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: MinWool 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*

MINWOOL 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/m³)
ASTM C518 R-Value at 75°F, 3.7 per inch of thickness

*Based off of corresponding ASTM E84 and E136 test results

STANDARD SIZES*

THICKNESS	WIDTH	LENGTH
in (mm)	in (mm)	in (mm)
1.5 - 8 (38 - 203)	16 & 24 (406 & 610)	48 (1219)

*Thicknesses are available in 1/2" increments. Minimum order quantity may apply. Custom sizes may be 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
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