



### PRODUCT DATA SHEET

#### COMPANY

Johns Manville is committed to creating more comfortable, healthier and energy-efficient indoor environments. At JM, we believe that in every detail, materials matter.

#### 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. Batts 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





# MinWool® Sound Attenuation Fire Batts (SAFB)



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## SOUND & FIRE INSULATION

### 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, 5/0 or less
ASTM E136 Noncombustible, Passes
UL 723, CAN/ULC-S102-M, 5/0 or less
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 <sup>3</sup> )
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)	
1 (25)	16, 24 (406, 610)	48 (1219)
1½ (38)	16, 24 (406, 610)	48 (1219)
2 (51)	16, 24 (406, 610)	48 (1219)
2½ (64)	16, 24 (406, 610)	48 (1219)
3 (76)	16, 24 (406, 610)	48 (1219)

\*Thicknesses of 3½" through 6" are available in ½" 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						
in (mm)	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

Visit our website at [www.JM.com](http://www.JM.com) or call **800-654-3103** | 717 17th Street Denver, CO 80202

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.

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