



### PRODUCT DATA SHEET

#### COMPANY

Johns Manville is committed to creating more comfortable, healthier and energy-efficient indoor environments. We revolutionized the building insulation industry by pioneering the development of Formaldehyde-free™ fiber glass building insulation and we are the only company to manufacture a complete hybrid insulation solution system. At JM, we believe that in every detail, materials matter.

#### DESCRIPTION

JM MinWool Sound Attenuation Fire Batt insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance. MinWool Sound Attenuation Fire Batt is inorganic, noncombustible, moisture resistant, nondeteriorating and will not mildew or support corrosion.

JM MinWool Sound Attenuation Fire Batt insulation is GREENGUARD Indoor Air Quality Certified® for low chemical emissions.

#### USE

JM MinWool Sound Attenuation Fire Batt insulation is designed to deliver noise control in metal stud wall cavities of interior partitions, exterior walls or above suspended ceiling systems.

#### INSTALLATION

JM MinWool Sound Attenuation Fire Batt insulation 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 Sound Attenuation Fire Batts between metal wall studs, filling the entire cavity to the full height of the wall. Leave no voids.

#### PACKAGING

JM MinWool Sound Attenuation Fire Batt insulation 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. JM MinWool Sound Attenuation Fire Batt insulation 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:** JM MinWool Sound Attenuation Fire Batt insulation has a melting point in excess of 2000°F (1093°C). See Specification Compliance for details.

**Noncombustible:** See Specification Compliance for details.

**Mold Resistant:** JM MinWool Sound Attenuation Fire Batt insulation does not support growth of fungi.

**Does not sustain vermin.**

#### ENERGY AND ENVIRONMENT





# MinWool® Sound Attenuation Fire Batts



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## SOUND & FIRE INSULATION

### APPLICABLE STANDARDS & BUILDING APPLICATION\*

#### MINWOOL SOUND ATTENUATION FIRE BATTS

ASTM C423 (Type A Mounting), Passes
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, Unfaced 5/0 or less
ASTM E136 Noncombustible, Passes
UL 723, CAN/ULC-S102-M, Unfaced 5/0 or less
CAN4-S114-M, Passes
City of New York, MEA-346-90
ICBO (Uniform Building Code), All Building Classification Types
BOCA (National Building Code), All Building Classification Types
SBCCI (Standard Building Code), All Building Classification Types
ICC (International Building Code), All Building Classification Types
HH-I-5588, Form B, Type 1, Class 6
Nominal Density, 2.5 pcf (40kg/m3)
R-Value @ 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)

*\*Nonstandard thickness of 3½" through 6" in ½" increments are available. Minimum order quantity will apply. Custom sizes are also available on a made-to-order basis.*

### ACOUSTICAL PERFORMANCE

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
2½ (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



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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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