



Sound & Fire Block™ Batts

Help to Reduce Sound and Delay the Spread of Fire

MINERAL WOOL

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 mineral wool batts are made of inorganic fibers derived from basalt, a volcanic rock, and are enhanced with glass fibers. Advanced manufacturing technology ensures consistent product quality, with high-fiber density and low shot content for excellent performance. JM mineral wool batts are inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

USE

JM Sound & Fire Block™ batts are designed to deliver noise control in wood-stud cavities of interior walls and ceilings between floors.

INSTALLATION

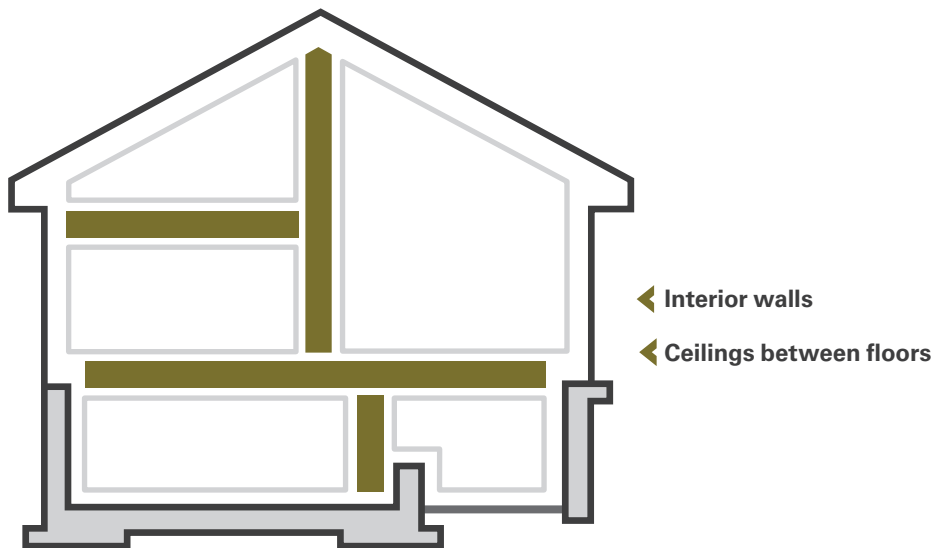
In standard wood framing, carefully insert batts between the wood studs or joists to fill the cavities with a friction-fit to framing members. JM mineral wool batts are easily cut with a knife for quick installation and snug fit in nonstandard size cavities.

Suspended Ceilings: When approved by the ceiling system manufacturer, lay JM mineral wool batts over the ceiling area so that the insulating material is supported by the ceiling suspension system, not the ceiling panels themselves.

PACKAGING

JM mineral wool products are compression packed for more efficient storage and transport.

DESIGN CONSIDERATIONS



PERFORMANCE ADVANTAGES

Excellent Acoustical Performance:

Lightweight, flexible insulation batts are excellent sound absorbers, efficiently reducing sound transmission. JM mineral wool batts improve the Sound Transmission Class (STC) ratings of interior partition walls and suspended ceilings. The high-density, non-combustible fiber in mineral wool reduces unwanted noise from traveling from room to room, making homes quieter.

Fire Safety: Noncombustible JM mineral wool batt insulation contributes to high fire-resistance capabilities in insulated assemblies.

Noncombustible: See Physical Properties for details.

Durable & Inorganic: JM mineral wool batts do not support growth of fungi, nor do they sustain vermin.



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LIMITATIONS OF USE

Check applicable building codes.

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RATING
Sound Transmission Class	ASTM E90	See Acoustical Ratings below
Surface Burning Characteristics	ASTM E84	Flame spread 5/smoke 0
Critical Radiant Flux	ASTM E970	Greater than 0.12 W/cm ²
Noncombustible	ASTM E136	Pass
Water Vapor Sorption	ASTM C1104	Less than 5%
Odor Emission	ASTM C1304	Pass
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass

ACOUSTICAL RATINGS FOR COMMON ASSEMBLIES

ASSEMBLY	COMPONENTS	RATING
2x4 Wood Wall	2"x4" wood studs 16" o.c., 5/8" gypsum drywall both sides, resilient channels, 3" JM Sound & Fire Block™ insulation	STC-47
2x10 Wood Floor	2"x10" wood joists 16" o.c., 23/32" OSB subfloor, 5/8" gypsum drywall, resilient channels, 3" JM Sound & Fire Block™ insulation	STC-47

STANDARD SIZES

PRODUCT	THICKNESS in (mm)	WIDTH in (mm)	LENGTH in (mm)
Sound & Fire Block™	3" (76)	15¼" (387)	47" (1194)



Visit our website at www.JM.com or call **1-800-654-3103** | 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 the 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.

BID-0170 03/14

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