

Mineral Wool Sound & Fire Block® Batts HELPTO REDUCE SOUND AND DELAYTHE SPREAD OF FIRE

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 batts are 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. 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

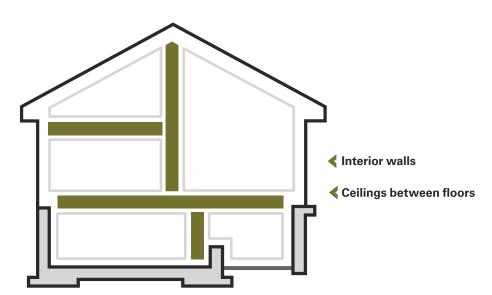
In standard wood framing, carefully insert batts between the wood studs or joists to fill the cavities with a friction-fit to framing members. JM mineral wool batts are easily cut with a knife for quick installation and snug fit in nonstandard size cavities.

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

Noncombustible: See Applicable Standards for details.

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

ENERGY AND ENVIRONMENT





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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/Smoke Developed, 0/0	
	UL 723, CAN/ULC S102*	Flame Spread/Smoke Developed, 0/0	
Critical Radiant Flux	ASTM E970	Greater than 0.12 W/cm ²	
Noncombustible	ASTM E136	Pass	
	CAN4 S114*	Pass	
Water Vapor Sorption	ASTM C1104	Less than 5%	
Odor Emission	ASTM C1304	Pass	
Corrosiveness	ASTM C665	Pass	
Fungi Resistance	ASTM C1338	Pass	

^{*}Based off of corresponding ASTM E84 and E136 test results.

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)	R-VALUE
Sound & Fire Block®	3" (76)	15¼" (387)	47" (1194)	3.7 per inch

SOUND ABSORPTION COEFFICIENTS

THICKNESS	FULL OCTAVE BAND CENTER FREQUENCIES, HZ							
in (mm)	125	250	500	1000	2000	4000	NRC	
3 (76)	0.45	1.03	1.18	1.07	0.99	0.95	1.05	



Visit our website at www.JM.com or call 800-654-3103 | Building Insulation Division P.O. Box 5108 | Denver, CO 80217-5108

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. 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 standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville insulation and systems, visit www2.jm.com/terms-conditions or call 800-654-3103.