

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 TempControl® batts are designed to deliver thermal control in stud cavities of exterior walls, basements, and heated crawl spaces.

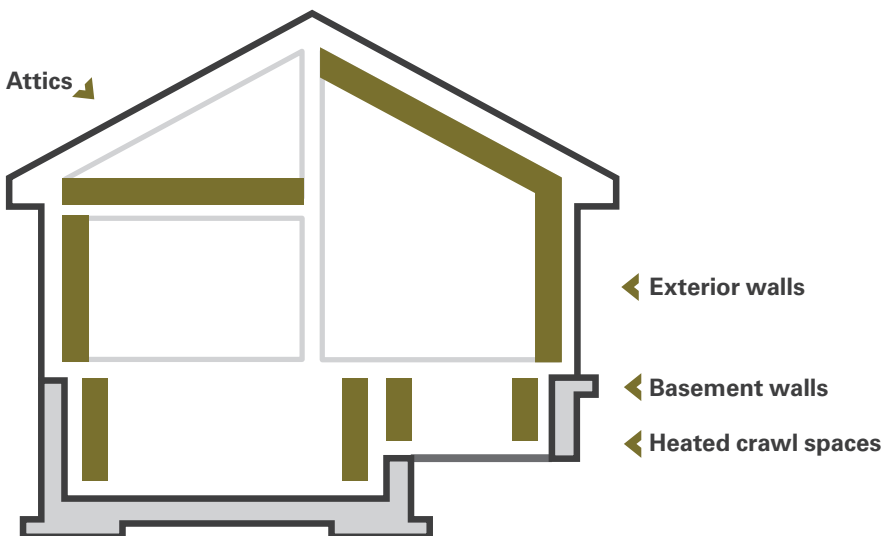
INSTALLATION

In standard framing, carefully insert batts between the 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.

PACKAGING

JM TempControl® products are compression packed for more efficient storage and transport.

DESIGN CONSIDERATIONS



PERFORMANCE ADVANTAGES

Dependable Thermal Performance:

With high fiber quality and low shot content, JM mineral wool batts deliver consistent thermal insulating performance at the rated R-value. The high-density, non-combustible fiber helps keep homes warm in winter and cool in summer while reducing heating and cooling bills to save money year-round.

Fire Safety: Mineral wool TempControl 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



LIMITATIONS OF USE

Check applicable building codes.

APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION

JM MINERAL WOOL BATTS
ASTM C665, Type 1
ASTM E136 noncombustible
ASTM E84 Flame Spread/Smoke Developed, 0/0
IBC (International Building Code) all types

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	R-13, R-15, R-21, R-23, R-30
Surface Burning Characteristics	ASTM E84	Flame spread 0/smoke 0
Critical Radiant Flux	ASTM E970	Greater than 0.12 W/cm ²
Water Vapor Sorption	ASTM C1104	Less than 5%
Odor Emission	ASTM C1304	Pass
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Density	ASTM C167	2 lbs/ft ³ (>32 kg/m ³)

STANDARD SIZES

PRODUCT	THICKNESS in (mm)	WIDTH in (mm)	LENGTH in (mm)
R-13 TempControl®	3½" (89)	15¼" (387), 23" (584)	47" (1194)
R-15 TempControl®	3½" (89)	15¼" (387), 23" (584)	47" (1194)
R-21 TempControl®	5½" (140)	15¼" (387), 23" (584)	47" (1194)
R-23 TempControl®	5½" (140)	15¼" (387), 23" (584)	47" (1194)
R-30 TempControl®	7¼" (184)	15¼" (387), 23" (584)	47" (1194)

*16" & 24" widths available on a made-to-order basis.

ACOUSTICAL PERFORMANCE

ASTM C423 Test Method (Type A Mounting)

R-VALUE	SOUND ABSORPTION COEFFICIENTS						
	1/3 Octave Band Center Frequencies, Hz						
	125	250	500	1000	2000	4000	NRC
R-15	0.75	1.22	1.19	1.08	1.04	1.01	1.15
R-23	1.10	1.16	1.11	1.07	1.00	0.97	1.10
R-30	1.13	1.15	1.12	1.06	1.01	0.97	1.10