Formaldehyde-Free™ Fiberglass Insulation
UNFACED

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 Formaldehyde-free™ thermal and acoustical insulation for wood, engineered wood, and steel framing is made of long, resilient glass fibers bonded with a thermosetting resin. A wide range of thermal resistance is available to provide thermal control for both vertical and horizontal applications.

USE
Wood Frame Insulation
New Construction
- Wood frame construction – residential homes and light commercial buildings
- Interior wall sound control – interior walls and floor and ceiling assemblies
- Basement wall insulation

Retrofit
- Re-insulating attics, crawl spaces

Engineered Wood Frame Insulation
New Construction
- Engineered wood construction – assemblies framed with 19.2" on-centre cavities, wide-spaced wood trusses or I-joists
- Interior floor assemblies – thermal and sound control applications

Steel Frame Insulation
New Construction
- Steel frame construction – commercial buildings
- Suspended ceiling systems – sized to fit above 2x4 ceiling panels
- Interior wall sound control – interior walls and floor and ceiling assemblies

Retrofit
- Back-fill above suspended ceiling systems

INSTALLATION
JM insulation cuts easily with an ordinary utility knife and installs by simply pressing in place between studs or joists in standard 381 mm (15") and 584 mm (23") wood framing, 488 mm (19.2") on-centre wood framing, or 406 mm (16") and 610 mm (24") steel framing. For wood or engineered wood framing, wire rods, chicken wire or wire is needed to hold under-floor insulation in place. For steel framing, adhesives or fasteners may be used.

PACKAGING
JM insulation is compression-packaged for savings in storage and freight costs.

RECOMMENDED STORAGE AND TRANSPORT
Store insulation indoors. Keep insulation clean and dry at all times. When transporting, cover completely with a waterproof tarpaulin as necessary.

LIMITATIONS OF USE
Check applicable building codes.

PERFORMANCE ADVANTAGES
Formaldehyde-free: will not off-gas formaldehyde in the indoor environment.

Thermally Efficient: provides effective resistance to heat transfer with R-values up to R-40 (RSI-7.0) for wood frames, R-28 (RSI-4.9) for engineered wood frames, or R-20 (RSI-3.5) for steel frames.

Sound Control: reduces transmission of sound through exterior and interior walls and floor or ceiling assemblies.

Fire Resistant and Noncombustible: (see Specification Compliance).

Non-corrosive: does not accelerate corrosion of pipes, wiring or metal studs.

Durable: will not rot, mildew or otherwise deteriorate.

Resilient: bonded glass fibers will not pull apart during normal applications and resist settling, breakdown and sagging from vibration.

ENERGY AND ENVIRONMENT
ECOLOGO
PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/EL
UL 2985

Contains 50% Recycled Bottle Glass

Properly insulating a structure using Johns Manville building insulation helps preserve our environment by reducing energy consumption for heating and cooling, reducing the pollution resulting from fuel burning, reducing the emission of hazardous air pollutants during manufacturing and reducing waste through the utilization of recycled materials.

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A Berkshire Hathaway Company

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APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION

JM UNFACED INSULATION
CCMC Evaluation Listing: 12276-L
Standard for Mineral Fibre Thermal Insulation for Buildings: CAN/ULC-S702-09
Dimensional Tolerances: CAN/ULC-S702-09
Thermal Transmission Properties: ASTM C 518
Surface Burning Characteristics, Flame Spread 25 or less, Smoke Developed 50 or less: CAN/ULC-S102
Smoulder Resistance: ULC-S129
Corrosiveness: ASTM C 665
Fungi Resistance: ASTM C 1338
Noncombustible: CAN4-S114-M80

STANDARD SIZES*

R-VALUE	RSI VALUE	THICKNESS**		WIDTH***					
				Wood Frame*		Engineered Wood Frame*		Steel Frame*	
(hr•ft²•°F/Btu)	(m²•°C/Watts)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
40	7	286	11.25	406, 610	16, 24	-	-	-	-
35	6.1	267	10.5	406, 610	16, 24	-	-	-	-
31	5.4	241	9.5	406, 610	16, 24	-	-	-	-
28	4.9	216	8.5	381, 406, 584, 610	15, 16, 23, 24	483	19	-	-
24	4.2	140	5.5	381, 584	15, 23	-	-	-	-
22	3.8	140	5.5	381, 584	15, 23	-	-	-	-
20	3.5	152	6	381, 584	15, 23	483	19	406, 610	16, 24
14	2.4	89	3.5	381, 584	15, 23	-	-	-	-
12	2.1	89	3.5	381, 584	15, 23	483	19	406, 610	16, 24
8	1.4	64	2.5	381, 584	15, 23	-	-	406, 610	16, 24

** Consult your local sales representative for other available sizes and R-values (RSI-values).*
*** Thickness may vary by producing location.*
**** Special widths and lengths may be available. Check with your local sales representative. The standard product lengths include 48-inch (1218 mm) batts – as well as 47-inch (1193 mm) for wood frames.*

MADE IN CANADA WITH PRIDE

Johns Manville

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

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