

Engineered Wood[®]

Formaldehyde-free Thermal and Acoustical Fiber Glass Insulation



FORMALDEHYDE-FREE

Johns Manville has revolutionized the building insulation industry by introducing an entire line of formaldehyde-free fiber glass building insulation. JM Formaldehyde-free insulation provides the same high-quality thermal and acoustical properties as conventional JM fiber glass – just without the formaldehyde-based binder. Why? Because it's a smart thing to do for our customers and the environment. Formaldehyde has traditionally been used as part of the binding agent in fiber glass insulation. Although there is no health risk with the traditional product, formaldehyde at higher levels may cause irritation and sensitivity. JM Formaldehyde-free building insulation utilizes an innovative new acrylic binder that eliminates binder-related formaldehyde emissions during manufacturing and, once installed, will not off-gas formaldehyde in the indoor environment. No formaldehyde means fewer things to worry about. Visit us at www.jm.com for more information.

PRODUCT DESCRIPTION

Johns Manville Formaldehyde-free insulation for engineered wood joist assemblies is made of long, resilient glass fibers bonded with an acrylic thermosetting binder.

APPLICATIONS

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

INSTALLATION

JM insulation cuts easily with an ordinary utility knife and installs by simply pressing in place between joists in 488 mm (19.2") on-centre wood framing. Wire rods, chicken wire or wire is needed to hold floor insulation in place.

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.

SPECIFICATION COMPLIANCE

Conforms to NBC 1995 Article 9.25.2.2 and to CSA A101-M
CCMC Evaluation Listing No. 12276-L
CAN/ULC-S702-97, Type 1
CAN/CGSB-51.11-92

FIRE SAFETY

CAN/ULC-S102-M88 Flame Spread 25 or less, Smoke Developed 50 or less
CAN4-S114-M80 Non-combustible
ULC-S129-95 Smoulder Resistance-Pass

LIMITATIONS OF USE

Check applicable building codes.

PERFORMANCE ADVANTAGES

- Formaldehyde-free – will not off-gas formaldehyde in the indoor environment.
- Thermal Efficiency – provides effective resistance to heat transfer with R-values up to R-28 (RSI-4.9).
- Sound Control – reduces transmission of sound through exterior and interior walls and floor/ceiling assemblies.
- Fire-resistant and Non-combustible – (see Specification Compliance).
- Non-corrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Durable – unaffected by moisture, oil, grease and most acids. It 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.

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Visit our website at www.jm.com
Or call: 1-800-661-9553

AVAILABLE FORMS*

Specification Compliance	R-value (hr.ft ² .°F/Btu)	RSI-value (m ² .°K/Watts)	Thickness**		Width***	
			(in)	(mm)	(in)	(mm)
CAN/ULC-S702-97, Type 1 Engineered Wood Frame	28	4.9	8½	216	19	483
	20	3.5	6	152	19	483
	12	2.1	3½	89	19	483

* Consult your local sales representative for other available sizes and R-values (RSI-values) or call (403) 227-7100.

** 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.



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.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of Engineered Wood thermal and acoustical fiber glass 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, call or write to the 800 number or address listed below.



Distributed by:

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