



Smart Ideas. Better Insulation.

EasyFit™

Formaldehyde-free Perforated 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 binder 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 EasyFit perforated thermal and acoustical fiber glass insulation features vertical perforations that allow installers to separate sections by hand, rather than cutting the insulation, to fit nonstandard-width framing cavities quickly and easily. Considering that over 35 percent of all cavities in a typical home are nonstandard-width (even more in custom construction), EasyFit allows contractors and installers to significantly increase their installation productivity. The lightweight thermal and acoustical insulation is made of long, resilient glass fibers bonded with an acrylic thermosetting binder.

AVAILABLE FORMS

- Unfaced batts
- Kraft-faced batts (where vapor control is required)

Each EasyFit package contains both standard and perforated batts to meet all your insulating needs.

APPLICATIONS

Use to speed installation in nonstandard-width cavities, anywhere unfaced or kraft-faced insulation is required.

New Construction

- Wood frame construction – residential homes and light commercial buildings
- Interior wall sound control – interior walls and floor and ceiling assemblies (For sound class ratings for wall assemblies, see the appropriate STC values datasheet for either steel or wood framing.)
- Basement wall insulation

INSTALLATION

Vertical perforations allow batts to be separated to fit nonstandard-width cavities, for faster, easier installation. It installs by simply pressing in place between studs. Fasteners may also be used with kraft-faced. The kraft facing on this product will burn, and must not be left exposed. It must be covered with gypsum board or another approved interior finish. Where an exposed application is required, use FSK-25 flame-resistant faced insulation.

15" WIDE EASYFIT		
Piece Size	Fits Cavities	Slit Configuration
2½"	Up to 2"	2½"
4½"	2½" to 4"	4½"
6½"	4½" to 6"	6½"
8½"	6½" to 8"	8½"
10½"	8½" to 10"	10½"
12½"	10½" to 12"	12½"
15"	12½" to 14½"	15"

Note: In colder climate areas, vapor retarders (whether attached to the insulation or applied separately) are often placed toward the heated or conditioned side of the wall. This is done to reduce water vapor penetration into the wall from the building interior. Conversely, in predominantly hot, humid climates local practices often call for placing the vapor retarder toward the outside of the wall cavity. Check your local building codes for vapor retarder requirements.

PERFORMANCE ADVANTAGES

- Formaldehyde-free – will not off-gas formaldehyde in the indoor environment.
- Fast, Easy Installation – installation is 10 to 20 percent faster in sidewalls compared to traditional fiber glass batts*.
- Fits Any Width Cavity – either as a whole batt or in a combination of pre-cut widths.
- Thermal Efficiency – provides effective resistance to heat transfer with R-values up to R-21 (RSI-3.7).
- Sound Control – reduces transmission of sound through exterior and interior walls and floor/ceiling assemblies.
- Fire-resistant and Noncombustible – unfaced only (see Specification Compliance).
- Moisture Control – the kraft facing resists water vapor transmission.
- Noncorrosive – 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.
- Flexible – forms readily around corners and curved surfaces.

* Based on comments from contractors participating in trials.

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BUILDING CODE COMPLIANCE AND FIRE HAZARD CLASSIFICATION

	ICBO	SBCCI	BOCA	IBC/IRC	Flame Spread*	Smoke Developed*
EasyFit Unfaced batts	All Types	All Types	All Types	All Types/All Types	25	50
EasyFit Kraft-faced batts	Types III, IV, V	Types III, V, VI	Types III, IV, V	Types III, IV, V/All Types	Not Rated	Not Rated

*Per ASTM E 84.

AVAILABLE FORMS*

Facing	R-value (hr-ft ² -°F/Btu)	RSI-value (m ² -°K/Watts)	Thickness** (in)	Batt Length (in)	Typical Perforated Batts per bag	Total Batts per bag	Coverage sq. ft.
Unfaced Type I	R-21	3.7	5½	93	2	7	67.81
	R-19	3.3	6½	93	3	9	87.18
	R-15	2.6	3½	93	2	7	67.81
	R-13	2.3	3½	93, 105	3, 4	11, 12	106.56, 131.25
Kraft-faced Type II, Class C	R-21	3.7	5½	93	2	7	67.81
	R-19	3.3	6½	93	3	9	87.18
	R-15	2.6	3½	93	2	7	67.81
	R-13	2.3	3½	93, 105	3, 4	11, 12	106.56, 131.25

* Consult your local sales representative or product availability chart for other available sizes and R-values (RSI-values).

** Thickness may vary by producing location.

PACKAGING

Johns Manville EasyFit batts are 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

ASTM C 665, Type I (Unfaced), Type II, Class C, Category 1 (Kraft-faced)

ASTM E 96 Permeability; Kraft – 1.0 Perms

ASTM E 84 Flame Spread 25 or less, Smoke Developed 50 or less (Kraft-faced is not rated for flame spread/smoke developed)

Tested for use under NYS UFPBC article 15. Meets the quality standards of the state of California.

SHORT FORM SPECIFICATION

All insulation shown on drawings or specified herein shall be "Johns Manville EasyFit Formaldehyde-free Perforated Thermal and Acoustical Fiber Glass Insulation." Thermal resistance "R" (RSI) values of the insulation shall be R (RSI) _____ in walls.

LIMITATIONS OF USE

Check applicable building codes.



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. Look for the cross and globe emblem on Johns Manville building insulation which indicates independent certification by Scientific Certification Systems, Inc. of 25% or more recycled glass content.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of EasyFit perforated 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.



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