



# Formaldehyde-Free™ Fiber Glass Insulation Enhanced with Bio-Based Binder

EASYFIT®



## PRODUCT DATA SHEET

### COMPANY

Johns Manville is committed to creating more comfortable, healthier and energy-efficient indoor environments. We revolutionized the building insulation industry by pioneering the development of Formaldehyde-free™ fiber glass building insulation over a decade ago. We continue to build on our legacy of innovation with a new Formaldehyde-free™ fiber glass insulation solution that utilizes an innovative bio-based binder, made mostly with rapidly renewable plant-based materials, that offers excellent thermal and acoustical performance as well as improved handling, easier cutting and less dust than our previous product. At JM, we believe that in every detail, materials matter.

### DESCRIPTION

Johns Manville EasyFit is a patented perforated thermal and acoustical fiber glass insulation that features vertical perforations allowing 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), JM EasyFit insulation 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 a bio-based thermosetting binder.

### AVAILABLE FORMS

- Kraft-faced batts
- Unfaced batts

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

### USE

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

**New Construction:** Residential homes and light commercial buildings interior walls, floors and ceilings for thermal and sound control, as well as 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 insulation.

### PACKAGING

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

### DESIGN CONSIDERATIONS

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.

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. Check your local building codes for vapor retarder requirements.

Refer to JM guide specifications for further design considerations and required installation instructions.



### 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-21 (RSI-3.7).

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

**Fire Resistant and Noncombustible:** see Specification Compliance.

**Durable Inorganic Glass:** will not rot, mildew or deteriorate and is noncorrosive to pipes, wiring and metal studs.

**Superior Performance:** bonded glass fibers are dimensionally stable and will not slump within the wall cavity, settle or break down during normal applications.

### ENERGY AND ENVIRONMENT





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### LIMITATIONS OF USE

Check applicable building codes.

### APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION\*

JM EASYFIT KRAFT-FACED BATTS	JM EASYFIT UNFACED BATTS
ASTM C665, Type II Class C, Category 1	ASTM C665, Type I
IBC TYPES III, IV, V	IBC, ALL TYPES

\*JM insulations comply with IBC (International Building Code), model code requirements for building construction types listed above.

### STANDARD SIZES\*

FACING	R-VALUE (hr•ft <sup>2</sup> •°F/Btu)	RSI VALUE (m <sup>2</sup> •°C/Watts)	THICKNESS** in (mm)	BATT WIDTH in (cm)	BATT LENGTH in (cm)	PERFORATED BATTS per bag	TOTAL BATTS per bag
Kraft-faced	13	2.3	3½ (89)	15 (381)	93 (236) 105 (266)	3, 4	11
	15	2.6	3½ (89)	15 (381)	93 (236)	2	7
	19	3.3	6½ (165)	15 (381)	93 (236)	3	9
	21	3.7	5½ (140)	15 (381)	93 (236)	2	7
Unfaced	13	2.3	3½ (89)	15 (381)	93 (236)	3, 4	11
	19	3.3	6½ (165)	15 (381)	93 (236)	3	9
	21	3.7	5½ (140)	15 (381)	93 (236)	2	7

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

\*\*Thickness may vary by producing location.

### PHYSICAL PROPERTIES\*

PRODUCT	FLAME SPREAD	SMOKE DEVELOPED	VAPOR RETARDER (PERMS)	WATER VAPOR SORPTION	DIMENSIONAL STABILITY
Kraft Faced	N/R	N/R	1	Less than 0.05%	Less than 0.1%
Unfaced	<25	<50	N/A	Less than 0.05%	Less than 0.1%

\*Products are tested in accordance: R-value ASTM C518 | Surface Burning Characteristics ASTM E96 | Water Vapor Permeance ASTM E96 | Water Vapor Sorption ASTM C1104

Kraft will burn. Do not leave exposed. Facing must be installed in substantial contact with an approved ceiling, floor or wall material. Keep open flame and other heat sources away from facing. Do not place insulation within 3" of light fixtures or similar electrical devices unless device is labeled for contact with insulation. Use only unfaced insulation between wood framing and masonry chimneys. Do not use insulation in spaces around metal chimneys, fireplaces, or flues. JM Unfaced insulation is considered non-combustible by model building codes. Flame Spread 25 products are flame spread rated and can be left exposed where codes allow. See package for warnings, fire hazard and installation instructions, or call 1-800-654-3103.

Due to potential skin irritation, unfaced insulation should not be used for exposed applications where it will be subject to human contact.



Visit our website at [specJM.com](http://specJM.com) or call 1-800-654-3103 | 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. The physical and chemical properties of 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, visit the website or call the 800 number above. © 2013 Johns Manville. 717 17th Street Denver CO, 80202

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