



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

FSK-25 FACED



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 FSK-25 faced insulation is a lightweight flame-resistant thermal and acoustical fiber glass insulation made of long, resilient glass fibers bonded with a bio-based binder. The batts are laminated with an FSK (foil-scrim-kraft) facing, which enables the insulation to carry a fire hazard classification rating of 25/50 or less per ASTM E84 and also serves as an excellent vapor retarder. FSK-25 faced insulation may be left exposed where codes permit.

AVAILABLE FORMS

- Pre-cut batts – fit standard wall cavities

USE

JM FSK-25 faced batt insulation can be used in a wide variety of wood frame, engineered wood and steel frame construction applications, including:

New Construction: residential homes and commercial buildings

Retrofit: masonry walls and under roof decks

INSTALLATION

FSK-25 faced insulation cuts easily with an ordinary utility knife. Stapling tabs are provided for attachment to wood framing. The insulation can also be installed with fasteners or simply pressed in place between studs or joists/rafters. FSK-25 faced insulation must be protected from outside elements like wind, rain and sunlight.

PACKAGING

FSK-25 faced insulation is compression-packaged for savings in storage and freight costs.

DESIGN CONSIDERATIONS

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.

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-30 (RSI-5.3).

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.

Light Reflective: reflective surface helps maximize lighting efficiency and may reduce lighting requirements.

ENERGY AND ENVIRONMENT



NORTH AMERICAN AVERAGE
30% POST-CONSUMER RECYCLED CONTENT
ACTUAL RECYCLED CONTENT WILL VARY



INDOOR ADVANTAGE GOLD
BUILDING MATERIALS



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APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION*

JM FSK-25 FACED BATTS
ASTM C665, Type III, Class A, Category I
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 ² •°F/Btu)	RSI VALUE (m ² •°C/Watts)	THICKNESS** in (mm)	WIDTH†			
				METAL FRAMING in (mm)		WOOD FRAMING in (mm)	
FSK-25 Faced	11	1.9	3½ (89) 3¾ (92)	16 (406)	24 (610)	15 (381)	23 (584)
	13	2.3	3½ (89) 3¾ (92)	16 (406)	24 (610)	15 (381)	
	19	3.3	6½ (165)	16 (406)	24 (610)	15 (381)	23 (584)
	21	3.7	5½ (139.7)	16 (406)			
	30	5.3	10¼ (260)	16 (406)	24 (610)	16 (406)	24 (610)

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

**Thickness may vary by producing location.

†Special widths and lengths may be available. Check with your local JM sales representative. Standard product lengths include 48", 93" and 96" (1,219 mm; 2,362 and 2,438 mm) batts.

PHYSICAL PROPERTIES*

PRODUCT	FLAME SPREAD	SMOKE DEVELOPED	VAPOR RETARDER (PERMS)	WATER VAPOR SORPTION	DIMENSIONAL STABILITY
FSK-25 Faced	< 25	< 50	0.05	Less than 5%	Less than 0.1%

*Products are tested in accordance: R-value ASTM C518 | Surface Burning Characteristics ASTM E84 | Perm Rating ASTM E96 | Water Vapor Sorption ASTM C1104

FSK-25 facing can be left exposed where code permits. 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. Do not use insulation in spaces around metal chimneys, fireplaces, or flues. 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.



Visit our website at www.JM.com or call **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.