

## 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

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 thermosetting resin. 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.



*Note: Color of product will differ based on the manufacturing location.*

## 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-30 (RSI-5.3).

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

**Fire Resistant:** see Physical Properties.

**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



**APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION\***

|  |
|--|
| <b>JM FSK-25 FACED BATTS</b>             |
| ASTM C665, Type III, Class A, Category I |
| IBC, ALL TYPES                           |

**STANDARD SIZES\***

| FACING       | R-VALUE<br>(hr•ft <sup>2</sup> •°F/Btu) | RSI VALUE<br>(m <sup>2</sup> •°C/Watts) | THICKNESS**<br>in (mm) |         | WIDTH <sup>†</sup>   |                       |
|--------------|---|---|------------------------|---------|----------------------|-----------------------|
|              |   |   |                        |         | WOOD FRAMING in (mm) | METAL FRAMING in (mm) |
| FSK-25 Faced | 11                                      | 1.9                                     | 3½ (89)                | 3⅝ (92) | 16 (406)             | 24 (610)              |
|              | 13                                      | 2.3                                     | 3½ (89)                | 3⅝ (92) | 16 (406)             | 24 (610)              |
|              | 19                                      | 3.3                                     | 6½ (165)               |         | 15 (381)             | 16 (406)              |
|              | 30                                      | 5.3                                     | 10¼ (260)              |         | 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 |
|--------------|--------------|-----------------|------------------------|----------------------|
| FSK-25 Faced | < 25         | < 50            | 0.05                   | Less than 5%         |

\*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.