

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

JM Formaldehyde-free™ Cavity-SHIELD™ fiberglass batts are made of long, resilient glass fibers bonded with a thermosetting resin. A wide range of thicknesses are available to provide NFPA 13 compliant passive fire protection in lieu of sprinklers for horizontal floor-ceiling cavities. Cavity-SHIELD fiberglass batts are available unfaced.

USE

Cavity-SHIELD fiberglass batts are noncombustible insulation for use in multi-family construction in the concealed spaces between floors. It eliminates the need for sprinklers in the concealed space, per NFPA 13.

New Construction: multi-level wood frame floor construction for passive fire protection and sound control.

INSTALLATION

Cavity-SHIELD fiberglass batts are easy to cut with an ordinary utility knife and are easily installed between joists in standard framing by simply pressing into place. Wire can be used for additional support, if needed.

PACKAGING

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

DESIGN CONSIDERATIONS

Cavity-SHIELD fiberglass batts meet ASTM E136 for noncombustibility to provide a NFPA 13 compliant insulation for use in concealed spaces, between floors, within multifamily housing. It eliminates the need for sprinklers in this area, while meeting code to provide passive fire protection.

Check your local building codes for additional requirements.

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

LIMITATIONS OF USE

Check applicable building codes.



Noncombustible: ASTM E 136, NFPA 13 Section 9.2.1 compliant

Simple Installation: no special equipment required

Cost-effective: economical alternative to blow-in insulation

Formaldehyde-free: will not off-gas formaldehyde in the indoor environment

Sound Control: reduces transmission of sound through floor or ceiling assemblies

Fire Resistant: Flame Spread of 25 or less and Smoke Developed of 50 or less (ASTM E84)

Durable Inorganic Glass: will not rot, mildew or deteriorate and is noncorrosive to pipes, wiring and sheet metal ducts



**GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2010 commercial building ventilation rates. This certification is proof that the product meets the GREENGUARD Environmental Institute's indoor air quality standards and product emission standards for VOCs.*

APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION

JM CAVITY-SHIELD FIBERGLASS BATTS - UNFACED
ASTM C665, Type I; ASTM E136
IBC, ALL TYPES

STANDARD SIZES

THICKNESS	WIDTH	LENGTH
in (mm)	in (mm)	in (mm)
8 (203)	16 (406), 19 (483), 24 (610)	48 (1219)
10 (254)		
12 (305)		

PHYSICAL PROPERTIES**

PRODUCTION	FLAME SPREAD	SMOKE DEVELOPED	WATER VAPOR SORPTION
Unfaced*	<25	<50	<5%

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

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 noncombustible 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 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.

*Unfaced fiberglass insulation is considered noncombustible according to ASTM E136. UL File No. BKNV.R3711 and BZJZ.R3711.