

# Cavity-SHIELD<sup>™</sup> Fiberglass Batts MULTI-FAMILY CONCEALED SPACE NONCOMBUSTIBLE INSULATION

# 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

# **ENERGY AND ENVIRONMEN**



\*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)		
10 (254)	16 (406), 19 (483), 24 (610)	48 (1219)
12 (305)		

## **PHYSICAL PROPERTIES<sup>‡‡</sup>**

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.



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 fiberglass 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.