Cavity-SHIELD™ 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 8.15.1.2.7 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), Class A1
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 62.1-2007 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

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>WIDTH</th>
<th>LENGTH</th>
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<tbody>
<tr>
<td>in (mm)</td>
<td>in (mm)</td>
<td>in (mm)</td>
</tr>
<tr>
<td>8 (203)</td>
<td>16 (406), 19 (483), 24 (610)</td>
<td>48 (1219)</td>
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<tr>
<td>10 (254)</td>
<td></td>
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<tr>
<td>12 (305)</td>
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PHYSICAL PROPERTIES‡‡

<table>
<thead>
<tr>
<th>PRODUCTION</th>
<th>FLAME SPREAD</th>
<th>SMOKE DEVELOPED</th>
<th>WATER VAPOR SORPTION</th>
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<tbody>
<tr>
<td>Unfaced</td>
<td>&lt;25</td>
<td>&lt;50</td>
<td>&lt;5%</td>
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‡‡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.