INSTALLATION GUIDE

Johns Manville Cavity-SHIELD® batts serve as an excellent alternative for filling interstitial cavities while offering significant acoustical benefits as well as passive fire protection, meaning you no longer need to add sprinklers. JM Cavity-SHIELD® batts also do not require any special or heavy equipment. It’s as easy to install as it is easy to select as your installation choice.

1 Determine cavity depth.
   • It will vary project to project, so it’s important to select the correct fiberglass batt size to fill the cavity. Johns Manville offers Cavity-SHIELD® in 8", 10" and 12" thicknesses to be used as a single layer or multiple layers to properly fit your project’s joist depth.
   • Also keep in mind: NFPA 13 allows only a 2" maximum air gap at the top of the cavity.

Additional product thickness and stacking options are available to suit your needs. Contact your local sales rep for more information.

Learn more about the advantages of Cavity-SHIELD®. Visit www.JM.com/Cavity-SHIELD or call 800-446-3103.

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Get the right personal protective equipment and project tools.

- Select proper protective clothing. Wear long pants and a loose-fitting, long-sleeved shirt to protect skin from irritation. Any exposed skin areas should be washed with soap and water immediately after handling or working with fiberglass.
- Wear leather or cotton gloves to protect against mechanical abrasion.
- Wear safety glasses with side shields to keep dust out of your eyes.
- Consider wearing a NIOSH-certified disposable or reusable particulate respirator.

Installing in standard cavities

- Position insulation in the cavity; then press it into place between joists. The batts should friction-fit into place.
- Fill the cavity, eliminating any gaps, cracks and voids. You may allow a maximum 2” air gap at the top of the space, per NFPA 13 Section 8.15.1.2.7.
- Wire insulation supports or wire may be used to hold insulation in place. If needed, place these fasteners between the joists and bow upwards into the insulation. Spacing of fasteners (which could be anywhere from 12” to 24” apart and not more than 6” from the ends) may help prevent the insulation from sagging.

Installing in non-standard cavities

- Measure and cut insulation to exact length for floor-ceiling cavities. Use a straight edge, such as a 2x4, to compress insulation and guide the utility knife blade.
- For narrower cavities, cut insulation 1” wider than the space that needs to be filled, and then press it into the cavity.
- Insert insulation into any remaining small spaces.

Installing in obstructed cavities

- Size the insulation to the cavity.
- For any wires or pipes, cut/split insulation by hand to sandwich the wiring or piping. Place some in front of and behind the wires.
- Cut around electrical boxes, avoiding wires.
- Leave a minimum 3” air space around metal enclosures, fans and wires to prevent condensation and electrical hazards such as shorts, fans and motors. Check manufacturers’ instructions and your local building code for specific insulation clearance requirements.

Prepare insulation by removing from packaging.

- Gently handle or fluff insulation to help it expand to labeled thickness.
Installing JM Cavity-SHIELD™ fiberglass batts is easy.

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• For narrower cavities, cut insulation 1" wider than the space that needs to be filled, and then press it into the cavity.
• Insert insulation into any remaining small spaces.

Installing in obstructed cavities

• Size the insulation to the cavity.
• For any wire or pipe, cut insulation by hand to sandwich the wiring or piping. Place some in front of and behind the wires.
• Cut around electrical boxes, avoiding wires.
• Leave a minimum 3" air space around metal chimneys, fireplaces and non-I.C.-rated electrical fixtures such as lights, fans and motors. Check manufacturers’ instructions and your local building code for specific insulation clearance requirements.
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• Cut around electrical boxes, avoiding wires.
• Leave a minimum 3” air space around metal sheaths, raceway and electrical boxes; and any electrical fixtures such as lights, fans and motors. Check manufacturers’ instructions and your local building code for specific insulation clearance requirements.

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2. Install JM Cavity-SHIELD™ fiberglass batts as easy.
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   - Visit www.JM.com/Cavity-SHIELD or call 800-444-9100.
   - 1777 Tenth Street, Denver, CO 80202
   - www.JM.com
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