Installation and Safety Tips

Safety First
Wear protective gear: goggles, gloves, dust mask or respirator, long pants and sleeves. Ensure there’s proper lighting.

1. Measure & Cut
The insulation is easy to cut with a serrated knife for custom fitting around electrical boxes, pipes, duct-work, wiring, or between non-standard studs and joists.

2. Squeeze & Insert
The insulation is flexible and pliable; simply squeeze the sides to compress the insulation and insert into the desired wall.

3. Release & Expand
Once in place, the insulation naturally expands to fill the space, creating a snug, custom fit.

4. Optional - Install Resilient Metal Channels
For best sound control performance, install resilient metal channels across joists to minimize sound energy passing through studs.

5. Apply Wall Finish
Apply drywall or other wall finish.

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Working Area
Ensure installation area is accessible and easy to move around in. The wall will need something sturdy to kneel or walk on such as a ladder or a sheet of plywood when working in an attic.

Tools
Keep the following tools on hand: serrated knife, safety glasses, mask and gloves.

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Use Fire & Sound Guard® Resilient Channels
If thickness is too small or exceeds application.

Wiring, Plumbing & Services
Safely connect any electrical, plumbing, lighting, or other services to ensure a tight, secure fit.

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Noise Control: Interior Walls

1. Seal Air Leaks
Seal air leaks in the wall. These include electrical, plumbing and other services through the bottom or top of the wall entering, attached floors or ceilings and also services through the wall entering neighboring rooms.

2. Install Batts
Install Thermafiber® Fire & Sound Guard® insulation between studs. Where necessary, cut to length and shape around obstructions in the stud cavity filling all voids.

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4. Optional - Install Resilient Metal Channels
For best sound control performance, install resilient metal channels across joists to minimize sound energy passing through studs.

Upgrade
Additional layers of insulation can be installed up to the thickness of the cavity to achieve improved acoustical performance.

5. Apply Wall Finish
Apply drywall or other wall finish.

Noise Control: Interior Floors/Ceilings

1. Seal Air Leaks
Seal air leaks in the floor/ceiling. These include electrical, plumbing and other services through the floor/ceiling entering rooms and walls above.

2. Install Batts
Install Thermafiber® Fire & Sound Guard® insulation between studs. Where necessary, cut to length and shape around obstructions in the stud cavity filling all voids.

3. Wiring, Plumbing & Services
Safely connect any electrical, plumbing, lighting, or other services to ensure a tight, secure fit.

4. Install Resilient Metal Channels
For best sound control performance, install resilient metal channels across joists to minimize sound energy passing through studs.

Upgrade
Additional layers of insulation can be installed up to the thickness of the cavity to achieve improved acoustical performance.

5. Apply Ceiling Finish
Apply drywall or other ceiling finish.

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Product & Installation Guide

www.thermafiber.com

1-800-GET-PINK

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**Attics: New Install or Topping Up**

1. **Seal Air Leaks.** Seal air leaks in the ceiling below the attic. These include register vents, wall cavities, plumbing, ventilation ducts, chimneys, and other openings that allow the entry of air.

2. **Install AtticMate® or Rafter Vents.** Seal around the perimeter of the attic. Ensure vents extend beyond the vertical height of the insulation perimeter. Seal all gaps around heat emitting sources such as chimney, pot lights, etc.

3. **Cut & Install Batts.** Select the Thermafiber® UltraBatt™ or Thermafiber® Topping Up for an attic is R60.

4. **Wiring, Plumbing & Services.** Splice insulation for electrical wiring and cut to shape around plumbing, lighting, or other services to ensure a secure, tight fit.

5. **Install Vapor Barrier.** Install a continuous vapor barrier next to any wall area. Ensure the joints at the Vapor Barrier overlap by at least 6”.

**Exterior Walls**

1. **Sealing Air Leaks.** Seal air leaks between insulated & un-insulated areas. Insulating in an un-heated area will also provide an additional layer of fire resistance in one product for residential buildings.

2. Install Vapor Barrier. Apply a vapor barrier to the underside of the floor adjacent to the heated space. Ensure applicable building code for vapor barrier requirements and proper location.

3. **Installing Batts.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Overlap the joints by at least 6”.

4. **Applying Wall Finish.** Follow your local building code requirements and proper location.

5. **Hold Batts in Place.** To hold insulation in place, nail wire mesh to the underside of the floor joists. To hold insulation in place, staple Owens Corning® AtticMate® rafter vents to roof sheathing.

6. **Apply Finish.** Follow your local building code requirements and proper location.

**Exposed Floors**

1. **Seal Air Leaks.** Seal air leaks between insulated & un-insulated areas. Insulating in an un-heated area will also provide an additional layer of fire resistance in one product for residential buildings.

2. Install Vapor Barrier. Apply a vapor barrier to the underside of the floor adjacent to the heated space. Ensure applicable building code for vapor barrier requirements and proper location.

3. **Installing Batts.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Overlap the joints by at least 6”.

4. **Installing Vapor Barrier.** Install a continuous vapor barrier next to any wall area. Ensure the joints at the Vapor Barrier overlap by at least 6”.

**Installed Batts.** Place batts between floor joists, where they will stay in place permanently. Splice insulation for electrical wiring and cut to shape around ventilation ducts, chimneys, and other services.

**Use UltraBatt™ Thermal Insulation**

- **Typical Construction:** 2 x 8
- **Recommended R-value:** 30
- **Use UltraBatt™ Insulation:** 2 x 6
- **Recommended R-value:** 23
- **Use UltraBatt™ Insulation:** 2 x 4
- **Recommended R-value:** 15

**Features & Benefits of Thermafiber® Mineral Wool Insulation**

- **Mold Resistant**
- **Secure Cavity Fit**
- **Easy to Cut & Install**
- **Minimum 70% Recycled Content**
- **Fire Resistant to Temperatures Above 1,093 °C (2,000 °F)**
- **Energy Efficient.** Provides exceptional R-value and fire containment in residential and light commercial buildings, making homes more energy efficient.

**Insulating Around Fixtures**

- **Electrical Boxes.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Ensure the joints at the Vapor Barrier overlap by at least 6”.

- **Electrical Wiring.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Ensure the joints at the Vapor Barrier overlap by at least 6”.

- **Plumbing/Pipes.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Ensure the joints at the Vapor Barrier overlap by at least 6”.

- **Around Fixtures.** Install Thermafiber® ThermoBatt insulation cavity filling all voids. Ensure the joints at the Vapor Barrier overlap by at least 6”.

**Applications**

- **Around Register Vents.** Slide the batt in-behind the pipe fitting the wire in the splice. Ensure a tight, secure fit.

- **Around Fixtures.** Slide the batt in from the outer edge of attic, ensuring the top of the insulation lies on or above the floor joist. Ensure a tight, secure fit.

**One UltraBatt™ ThermoBatt Insulation**

- **Typical Construction:** 2 x 4
- **Recommended R-value:** 30

- **Use UltraBatt™ Insulation:** 2 x 6
- **Recommended R-value:** 23

- **Use UltraBatt™ Insulation:** 2 x 4
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