THERMAFIBER® MINERAL WOOL BATT INSULATION
INSTALLATION INSTRUCTIONS



APPLICATIONS

These instructions cover the installation of Thermafiber® Fire & Sound Guard® Plus and Thermafiber® Peace & Quiet™ in:

- Above-grade framed wall cavities: interior and exterior
- Attics
- Attic knee walls
- Below-grade/foundation framed wall cavaties
- Ceilings
- Floors

SITE PREPARATION AND SEQUENCING

- Framing cavities and surfaces where batt insulation will be installed should be dry and free of construction debris.
- Stage insulation packages (unopened), and any accessory materials throughout the site, prior to beginning any installation.

AIR SEALING

Prior to installing insulation, the following areas should be air sealed:

Walls

- Seal all joints and gaps in exterior sheathing.
- Seal all penetrations through exterior sheathing and framing members.

Floors

- Seal all penetrations through the sub-floor.
- Seal all joints and gaps in the band joist area.

Attics

- Seal all penetrations to the drywall ceiling.
- Seal all wall and chase openings to the attic.
- Use baffles (Owens Corning Raft-R-Mate®) from top plate to roof deck to prevent insulation from blocking ventilation and to direct air from soffit up toward the roof deck.

TOOLS AND EQUIPMENT

- Tape measure
- 6" or longer serrated-edge knife
- Straightedge (for cutting insulation)
- Portable work light (as needed)
- Walking Boards (as needed for attics)
- Wire Ties (as needed for floor applications)

PROTECTIVE GEAR

- Work gloves (cut-resistant type required)
- Loose-fitting, long-sleeved shirt
- Safety glasses
- Disposable dust mask*

INSTALLATION

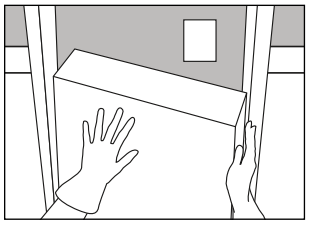
General (for all applications)

- This product is designed for “friction fit” installation — no stapling is necessary/required.
- The insulation should completely fill, and fit snugly within, all framing cavities, with no voids, areas of compression, or gaps between the insulation and framing members.
- For cavities with obstructions:
  - Insulation should be slit at the back of the batt to allow the insulation to slide over wiring/plumbing, to fill the cavity and avoid gaps/areas of compression.
  - Insulation should be cut to fit snugly around electrical boxes; place the cut-out portion behind the box to fill the void.
- For cavities of non-standard height or width, cut the insulation at approximately ½ inch greater than the height/width dimension to ensure full cavity fill and snug fit.

* The installation of insulation batts or rolls is unlikely to generate particulate exposures that exceed OSHA limits. Consequently, in most batt/roll installations, respiratory protection will not be required but is recommended.

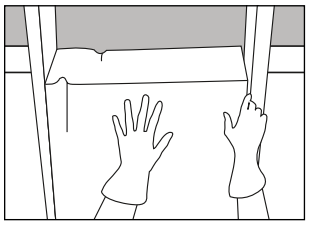
Specifics (all framed wall assemblies)

NOTE: Packaged insulation is highly compressed and expands significantly and immediately upon opening of and removal from the bag or wrapper.



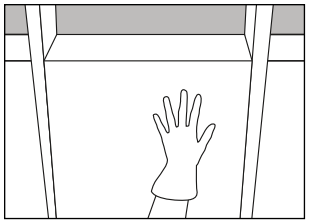
1. Measure & Cut

Mineral wool batts are easy to cut with a knife for custom fitting around electrical boxes, pipes, ductwork, wiring, or between non-standard studs and joists.



2. Squeeze & Insert

Mineral wool batts are flexible and pliable; simply squeeze the sides to compress the insulation and insert into the desired wall.



3. Release & Expand

Once in place, mineral wool naturally expands to fill in the space, creating a snug, custom fit.

FLOORS/CEILINGS

- 2x lumber
- Mineral wool batts will friction fit between 2x joints. Push into place at top of cavity. If not filling cavity or cavity will not be enclosed, wire ties, two per batt, can be used to ensure batts will stay in place.

I-JOISTS/TRUSSES

- Must use metal framing, full 16” or 24” product
  - May use bottom of I-joist for insulation to sit on.
  - May need to use strapping or wire mesh to hold insulation in place.

NOTE: Thermafiber® Peace & Quiet™ batts can be installed at any location in the cavity. Thermafiber® FIre & Sound Guard® Plus should be installed in contact with the sub-floor.

ATTICS

1. Install baffles as needed along soffit to ensure ventilation path along roof deck.
2. Start installation in areas farthest from the attic access, and work back to attic access.
3. Push batts into place between framing and in contact with the ceiling.
4. Tightly butt together each batt in each cavity.
5. Leave three (3) inches of space around non-IC-rated light fixtures. Insulation can be in contact with and go over IC-rated light fixtures.

GENERAL NOTES

- This product does NOT require a trained or certified installer.
- This product does NOT require evacuation of the building during installation, due to chemical reactions; thus, there are NO applicable re-entry/re-occupancy times.
- This product is classified as an “Article” under the OSHA Hazard Communication Std. and does not require a Safety Data Sheet. Copies of the Article Declaration Letter and Safe Use Instruction Sheet (SUIS) are available on Owens Corning.com.
- Protect from open flame or heat sources. Do not place insulation within 3 inches of light fixtures or similar electrical devices unless labeled for contact with insulation (IC Rated). Clearances around appliances, chimneys, and other hot surfaces should meet the requirements of the National Fire Protection Association (NFPA) and International Code Council (ICC) building codes, or the appliance manufacturers’ recommendations. Do not place insulation in air spaces surrounding metal chimneys or fireplaces unless they are designed to be in contact with insulation.
- See Owens Corning publications, Thermafiber® Fire & Sound Guard® Plus Mineral Wool Insulation Product Data Sheet (Pub. No. 10025220) and Thermafiber® Peace & Quiet™ Mineral Wool Insulation Product Data Sheet (Pub. No. 10028834), for more information.
- Batts used in Thermal Envelope may need an added vapor retarder, especially in colder climates. Check local codes for need and placement of vapor retarder.

DISCLAIMER OF LIABILITY

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