MADE IN USA

Certified 100% Mold Resistant

Acoustiblok® When What You Don't Hear Counts...

CLASSIFIED UL

All U300, U400, & V400 walls & L500 floor/ ceiling assemblies.

Installation Overview

This installation overview provides guidance for handling and installing Acoustiblok®. Acoustiblok Sound Isolation Material is a heavy, high density product (4-1/2 pounds (2 kg) per linear foot), so when preparing for the installation always schedule at least two installers for efficiency and safety. All tools (except common hand tools) and materials required for a professional Acoustiblok installation are available from Acoustiblok, Inc., refer to our "Installation Accessories & Hardware Price List".

When possible, Acoustiblok Sound Isolation Material should be installed on the noise side of the assembly. This helps reduce the amount of acoustical energy being converted into mechanical noise. *Refer to individual product & assembly installation instruction sheets for complete detailed procedures.*

Use the Acoustiblok RD350 Material Roll Dispenser or similar “A-Frame” type roller stand for safety and ease of handling.

Wall Installation Overview:

1. Installing Acoustiblok on wood framing you have two choices for fastening. You can use nails or staples to secure the Acoustiblok. Either fastener requires a plastic or “tin cap” roofing washer to assure that the material will not pull away from the fastener and prevents tearing of the material. If using air to drive your nails or staples adjust your pressure low enough so you do not shoot through the cap and material. (Ask you sales rep about our Bostitch cap & stapling system)

2. Metal frame installations require self tapping screws and metal caps or a self tapping wafer head screw, which is available from Acoustiblok (Item # WHS). Have a spacer available to keep the studs in position, as you will use the studs for leverage as the material is pulled into position.

3. Take a measurement from the starting corner to your first obstacle; window door or adjacent wall. If a single piece would be unmanageable; due to the weight (1lb SqFt), cut the material into manageable sizes. All seams must be located in the center of the stud or joist for proper sealing

4. Unroll the first few feet of the roll and square the end of the material with your T-square and score with a razor knife and tear it off. Starting with a square edge provides for tight seams and helps maintain a level installation. Roll back the cut piece in the opposite way it came off the roll to minimize curling of the material as you install it.

5. Install across (horizontally) the studs, not parallel (vertical) to them. This will minimizes the number of seams that will require sealing and also increase labor efficiency. Run a chalk line across the studs for visual reference helping to maintain a level run. Acoustiblok recommends installing the lower piece first , becoming familiar with the installation process.

6. Start the installation in a corner, securing it with 5 fasteners. Install the top fastener first and work down, keeping fasteners and material flat against the stud. Unroll the material across the studs and place the roll in the following stud cavity for ease of handling. Use the studs for leverage to help pull the material into position. Do not pull the Acoustiblok too tight; leave it somewhat “limp”

between the studs. Maintain a small gap (1/8”-3/8”) between all adjoining surfaces (floor, ceiling, walls), to be sealed later with Acoustigrip™ tape and Acoustiblok Acoustical Sound Sealant™.

7. The attempt is to create an airtight assembly; if air can pass through so can sound, so sealing is a critical step for a proper installation. Using Acoustigrip tape and Acoustiblok Acoustical Sound Sealant, begin to seal all perimeter edges, joints, cut out boxes, access points and the exposed edges at window and door openings. Use Acoustiputty™ pads to seal the backs of any boxes and any thru wall penetrations.

8. Do one final inspection of the entire job and verify that each stage of the installation is complete. Your installation is now ready for drywall. To prevent dimples in the drywall, keep material and fasteners as flush as possible and use 5/8” or thicker drywall.

Wall Installation Notes:

1. You may choose to either butt or overlap the horizontal seams. If you overlap, be aware that this will have a 1/8” rise of the fastening surface for the drywall. Do not place any fasteners within the overlap area. Overlap at least 1” to assure adequate sealing and apply Acoustiblok Acoustical Sound Sealant within the overlap area. Either method requires that you to seal the seams with Acoustigrip tape.

2. When drywall is installed make sure that the edges do not touch any adjacent surfaces. Leave 1/8”-3/8” gap around the entire perimeter of the wall and fill gap with Acoustiblok Acoustical Sound Sealant. This decouples the surfaces minimizing mechanical transmission of the sound. Tape & finish drywall as normal.

3. If using resilient channel, attach the channels perpendicular to the stud or joist 24 inches o.c. on top of the Acoustiblok. using screws long enough to penetrate the drywall and channel only.

4. If open back in-wall speakers are used you must create an exaggerated bend of the Acoustiblok into the wall or joist cavity that will provide enough clearance behind the speaker as to not touch either the speaker or the opposite surface. You may want to section the Acoustiblok so that the speakers’ cavity is treated separately, use Acoustiblok® Acoustical Sound Sealant and Acoustigrip to tape and seal any seams.

5. Using a higher density insulation may further enhance the sound reduction properties of an Acoustiblok treated wall assembly. We recommend using a mineral wool product such as Thermafiber or IIG (Industrial Insulation Group) to increase the sound reduction of the assembly.

Floor Installation Overview:

The Acoustipad™, Acoustiwool™-WF0.125, and Acoustiwool™-TF0.11 are optional Acoustiblok® underlayments that enhance the sound reduction properties of the Acoustiblok. If your projects installation does not utilize these products omit that step from the following instructions.

Wood Joist Installations:

Acoustiblok is most effective when it can be applied over the top of the joists before the subfloor is installed.

1. Use Acoustiblok 171 Fast Cure Mastic and spot glue every 10” across the joist. Lay the material loosely over the joists. Do not cover the entire joist or material with adhesive. Do not overlap the Acoustiblok Sound Isolation Material.

2. Seal the seams with Acoustigrip tape and check to ensure there are no gaps or holes left in the installation area.

3. Use Acoustiblok 171 Fast Cure Mastic to glue the sub floor to Acoustiblok. If you use nails, use the absolute minimum number of nails required to secure the sub floor to the joist as nails will act as microphones mechanically passing the sound into the joists.

4. If the installation allows, decouple the subfloor from adjacent walls 1/8”-3/8” and fill this gap with Acoustiblok Acoustical Sound Sealant.

Subfloor Installations:

If the installation requires Acoustiblok to be installed on top of the subfloor there are different options dependent upon the final floor finish.

Carpet Floor Finish

1. Unroll Acoustiblok Acoustipad perpendicular to the planned direction of the Acoustiblok Sound Isolation Material. Tape all seams using Acoustigrip™ tape.
2. Install the Acoustiblok and tape all seams using Acoustigrip™ tape in one of the following methods:

   a) Install the tack strip using longer nails to compensate for the additional ½” height of the Acoustiblok & Acoustipad.

   b) Install the Acoustipad further away from the perimeter edge allowing the Acoustiblok to drape over the side and installing the tack strip on top of the Acoustiblok only.

   c) Install 1"x 2" furring strips 3/8" away from perimeter surfaces and nail the tack strip on top of it. Use Acoustiblok Acoustical Sound Sealant to fill in the perimeter gap. Verify that the height of all your materials Acoustipad, Acoustiblok, and the specific carpet padding will not be below the top edge of the furring strip.

3. Install carpet & padding per manufacturers instructions.

Wood Floor Finish

1. Place the Acoustiwool-WF0.125 perpendicular to the planned direction of the Acoustiblok® Sound Isolation Material. Allow the Acoustiwool™-WF0.125 to float on the subfloor - *do not use any adhesive*. Do not overlap the material. Tape all seams.

2. Next roll the Acoustiblok over the Acoustiwool taping the seams and caulking around the perimeter. Do not use adhesive to glue down the Acoustiblok onto the Acoustiwool-WF0.125. If the Acoustiblok is not lying flat, allow it to sit overnight at ambient room temperature.

3. For glued down engineered or solid wood follow manufacturers installation instructions. Verify compatibility of recommended adhesive with the Acoustiblok®. You may also further decouple the floor assembly by adding a free floating plywood or other suitable surface underlayment on top of the Acoustiblok as the floor substrate. Do not use any adhesives; allow the substrate to float freely on top of the Acoustiblok & Acoustiwool-WF0.125.

4. For mechanically fastened engineered or solid wood flooring you may install it directly on top of the Acoustiblok following manufacturers’ instructions. The recommended installation is to have a floating plywood substrate as above. Not only will this decouple the floor assembly, it also prevents

the fasteners from transmitting mechanical noise into the floor ceiling assembly when attached directly into the subfloor and joists.

5. Leave a 1/8" - 3/8” perimeter gap between the Acoustiwool-WF0.125, Acoustiblok, substrate and flooring from all adjacent surfaces. Fill perimeter gap with Acoustiblok Acoustical Sound Sealant.

Tile Floor Finish

1. Subfloor construction must comply with ANSI, TCNA and other industry standards.

2. Place the Acoustiwool-TF0.11 perpendicular to the planned direction of the Acoustiblok® Sound Isolation Material. Use thin set to adhere the Acoustiwool-TF0.11. Roll flat with a 75lb roller. Do not overlap the material. Tape all seams using Acoustigrip tape.

3. Apply thin set to the Acoustiwool-TF0.11 and install the Acoustiblok Sound Isolation Material on top. If needed roll flat with a 75lb roller. Do not overlap the material. Tape all seams using Acoustigrip tape.

4. For better acoustical isolation you may choose to install the Acoustiwool-TF0.11 and the Acoustiblok without adhesives and install a free floating plywood or other suitable surface underlayment on top of the Acoustiblok as the floor substrate. If natural stone tiles are to be installed, a suitable substrate *must be installed* on top of the Acoustiblok and Acoustiwool. If only the Acoustiblok is installed you may install the tiling directly to the Acoustiblok.

5. Leave a 1/8" - 3/8” perimeter gap between the Acoustiwool-TF0.11, Acoustiblok, and tile flooring from all adjacent surfaces. Fill this gap with Acoustiblok Acoustical Sound Sealant.

Floor Installation Notes:

1. For all floor installations it is important to maintain isolation between the underlayment and floor from all adjacent surfaces. Always leave a 1/8" - 3/8” perimeter gap between the Acoustiwool, Acoustiblok, substrates and flooring from all adjacent surfaces. Fill these gaps with Acoustiblok Acoustical Sound Sealant.

2. Verify that the underlayments and substrates provide the structural requirements of the floor finish.

3. Confirm the compatibility of any adhesives, thinsets or other products used with the Acoustiblok products.

Ceiling Installation Overview:

Due to the weight of the Acoustiblok Sound Isolation Material it is recommended that a 3 person crew be used for safety and installation efficiency.

Wood Joist Ceilings:

1. You will need to support the material in place for fastening and due to it is recommended that you fashion a roller support system to help with the handling of the material. Empty Acoustiblok roll cores, PVC pipe, or conduit will work for this purpose. Using a suitable strength rope or wire, run it through the core and tie a loop at each end to hang from a nail in the joist. Position and fasten the loop to allow for a quick and easy release after fastening the Acoustiblok. Pull the Acoustiblok from one end to the other across the top of the roller support system.

2. Allow enough slack in the Acoustiblok so it hangs below the joist 12” or a distance that will allow you to comfortably lift and hold the material to the joist to fasten it. Space fasteners every 8”-10”. Seal all seams with Acoustigrip tape.

3. You may also use a T-bar, drywall jack or other suitable method for your material support.

4. If using resilient channel, attach the channels perpendicular to the joist 24 inches o.c. over the Acoustiblok using screws long enough to penetrate the drywall and channel only.

5. Install your ceiling as designed. A hanging track & channel framing ceiling system is recommended as it provides the greatest mechanical isolation from the floor assembly. You may also install hat channel perpendicular to the joists over the Acoustiblok for additional ceiling installation.

6. Maintain a 1/8" - 3/8” gap around the perimeter to isolate the ceiling from the adjacent walls. Fill this gap with Acoustiblok Acoustical Sound Sealant.

Concrete Ceilings:

Acoustiblok must have a framing member for attachment, requiring at minimum a furring channel for attachment. Finish installation and details as outlined above in wood joist installations.

Ceiling Installation Notes:

1. If your project uses recessed can lighting it is important that you specify sealed back can lights for the project. Sealed back fixtures provide a significantly better sound reduction than standard fixtures. Do not use Acoustiblok to surround or enclose any light fixtures due to possible extreme temperatures and air flow requirements.

2. Any penetrations for ductwork, lighting, etc must be sealed around the edges with Acoustiblok® Acoustical Sound Sealant and Acoustigrip tape.

3. Using a higher density insulation may further enhance the sound reduction properties of an Acoustiblok® treated ceiling assembly. We recommend using a mineral wool product such as Thermafiber or IIG (Industrial Insulation Group) to increase the sound reduction of the assembly.

ACOUSTIBLOK is a unique material and very few adhesives or tapes will stay bonded to it: AC foil tape, duct tape, most silicone and other adhesives tend to lose their bond to Acoustiblok material in 4 to 10 days, unfortunately sometimes *after* the drywall is up jeopardizing the results of your installation. The Acoustiblok® Acoustical Sound Sealant, Acoustigrip tape, and Acoustiputty sealant pads that have been formulated, tested to work fully with Acoustiblok. Our independent acoustical test results have been performed using Acoustiblok sealant products use of other products may affect the sound reduction properties of your Acoustiblok treatment.

