



Product Name

Acoustiblok® Sound Isolation Material

Installation Type

Floor Installation

Installation Overview

This installation overview provides suggestions for handling and installing Acoustiblok® Sound Isolation Material. Acoustiblok is a heavy, high density product (1lb/ft²), so when preparing for the installation always schedule at least two installers for efficiency and safety.

With the exception of common hand tools, all tools and materials required for a professional Acoustiblok sound installation are available from Acoustiblok, Inc. Use the Acoustiblok RD350 Material Roll Dispenser or similar A-Frame type roller stand for safety and ease of handling.

When possible, Acoustiblok Sound Isolation Material should be installed on the noise side of the assembly. This will decrease the amount of acoustical energy that may be converted into mechanical noise.

It is essential that the treated room be sealed as airtight as possible using Acoustiblok Acoustical sound Sealant, Acoustigrip Tape and Acoustiputty sealant pads. The effectiveness of your Acoustiblok sound treatment will be jeopardized if these steps are not taken.

Installation Suggestions

Acoustipad™, Acoustiwool™-WF0.125, and Acoustiwool™-TF0.11 are optional Acoustiblok underlayment products used to enhance the sound reduction properties of the Acoustiblok in floor ceiling assemblies. If your project installation does not utilize these underlayments omit its step from the following instructions.

Wood Joists

Acoustiblok® is most effective when it can be applied over the top of the joists before the subfloor is installed (for additional reduction, apply on the bottom of truss as well).

1. Use FCA10 Fast Cure Industrial Adhesive and run an approximate 4' 6" bead along each joist. Lay the material over the joists securing one end with a minimal number of staples, or tape. It need not be tight. Do not worry that it will sag slightly, secure other end. Do not overlap the Acoustiblok move on to next run.
2. Wipe clean and seal the seams between the runs of Acoustiblok with Acoustigrip tape and check to ensure there are no gaps or holes left in the installation area.
3. Use FCA10 Fast Cure Industrial Adhesive 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 and mechanically pass the sound into the joists.
4. If the installation allows, leave a space between the subfloor and adjacent walls 1/8"-3/8" (3.5 to 9.5mm) and fill this gap with Acoustiblok Acoustical Sound Sealant. This "decoupling" makes a pronounced difference. Not doing this allows sound from the floor to travel into the wall structure and down into the other rooms.
5. In between each joist, one 1/8" (3.5mm) clear hole should be drilled in the Acoustiblok to act as a water warning should the floor be flooded at some future date.

NOTE: Rainwater (during construction)

If there is rain, the Acoustiblok will hold the water in between the joists. This will not hurt the mold retardant Acoustiblok, but could cause mold or warping to the decking if not thoroughly dried. If it has rained or there is water/moisture held under the decking we suggest the following:

1. From the bottom, cut each tape joint approximately 4" long, centered between each joist.
2. Insert any type of spacer in the gap to allow drainage and airflow to thoroughly dry out.
3. After thoroughly dry and rainwater is no longer a threat, remove the spacers from the cut joints, wipe clean, and put a minimum 8" piece of tape over the cut.



Installation Instructions

Subfloor

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

Carpet and Pad Finish

1. Thoroughly clean and remove all dirt and dust from the joint of the walls and the subfloor. This may even require wet cleaning to remove the dust.
2. Thoroughly caulk this joint airtight using “Acousticaulk.”
3. Install a 3/8 inch by 1-1/2 inch wood spacer approximately 1/8 inch to ¼ inch away from the wall.
4. Install “Acoustipad” to subfloor using approximately 1/8 inch beads of “Acoustiblok FCA10” Fast Cure Industrial Adhesive approximately 12 inches apart. The Acoustipad should be installed perpendicular to the direction you are going to lay the Acoustiblok material.
5. Lay the Acoustiblok material out on top of the Acoustipad leading up to the walls.
6. We suggest leaving the Acoustiblok material to be laid out for a minimal of 24 hours (cold-weather may require longer) in order to relieve the stress from being wound up on a roll for a long period.
7. After the Acoustiblok material as assumed a relaxed flat position, in same like manner as gluing down the Acoustipad, use the Acoustiblok FCA10 to adhere the Acoustiblok material to the Acoustipad. This should be done without overlapping the material. Butt the material together and apply the FCA10 in the butt joint between the sheets of the Acoustiblok material. Allow drying time per the instructions on the FCA10 adhesive.
8. Apply a strip of Acoustigrip tape over each joint.
9. Go back and trim the Acoustiblok material as it butts up against the wall.
10. Install carpet tack strip on top of the wood spacer and the Acoustiblok material, taking into account the thickness of your pad relative to the height of the tack strip.

11. Apply Acousticaulk liberally in the join between the wall and the Acoustiblok.
12. You may now apply your pad and carpet.

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. Spot gluing may be needed to prevent the wool from curling up. Do not overlap the material. Tape all seams.
2. Next roll the Acoustiblok over the Acoustiwool -WF0.125 taping the seams and caulking around the perimeter. You may spot glue the Acoustiblok onto the Acoustiwool-WF0.125. If the Acoustiblok is not lying flat, allow it to sit overnight at ambient room temperature. For glued down, engineered or solid, wood follow the manufacturer's installation instructions. Verify compatibility of recommended adhesive with the Acoustiblok material. You may also further decouple the floor assembly by adding free floating plywood or other suitable substrate on top of the Acoustiblok as the subfloor. Do not use any adhesives in this step; allow the substrate to float freely on top of the Acoustiblok and Acoustiwool-WF0.125 combination.
3. For mechanically fastened engineered or solid wood flooring you may install it directly on top of the Acoustiblok following its manufacturers' instructions. The recommended installation is to have a floating plywood substrate as in the previous step. Not only will this decouple the floor assembly, but also keeps the fasteners from penetrating to the subfloor below preventing the transmission of mechanical noise into the ceiling assembly below.
4. Leave a 1/8"-3/8" perimeter gap between the Acoustiwool-WF0.125, Acoustiblok, substrate and flooring from all adjacent wall 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 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 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-TF0.11. If only the Acoustiblok is installed you may install the tiling directly adding Laticrete 333 Thinset Admix or other acrylic bonding agent to your Thinset.
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 Install Notes

1. For all floor installations it is important to maintain isolation of the underlayment and floor finish with all adjacent surfaces.
2. Always leave a 1/8"-3/8" perimeter gap between the Acoustiwool, Acoustiblok, substrates and flooring from all adjacent wall surfaces. Fill these gaps with Acoustiblok Acoustical Sound Sealant.
3. Verify that the underlayments and substrates provide the structural requirements of the finished floor.



Installation Instructions

4. Confirm the compatibility of any adhesives, Thinset or other products used with the Acoustiblok products



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