



## Product Name

**Acoustiblok® Sound Isolation Material**

### Installation Type

**Plumbing Installation**

### Installation Overview

This installation overview provides suggestions for handling and installing Acoustiblok® Sound Isolation Material. Acoustiblok is a heavy, high density product (1lb/ft<sup>2</sup>), 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.

### Installation Suggestions

There are basically 2 types of sound we must address:

1. The airborne noise that travels through the air.
2. The mechanical linkage transmission path. Sound travels through solid objects very well. For example, placing a glass on the wall and putting your ear up to it allows you to hear through the mechanical connections to the other side of wall.

Acoustiblok reduces airborne sound transmissions, but does very little to stop sound travelling through a mechanical connection. Eliminating as much of the mechanical connection between the sound source and the receiver as possible will help to reduce this type of noise.

In this situation, the less the pipe touches the structure of the building the better. Some creativity on your part is necessary to hold the pipe in place and keep it from touching any part of the wall or floor. Using anything that is very resilient, such as open cell foam rubber or open cell foam spray, to hold the pipe in position is advisable. (Do not use stiff closed cell spray) Once that is done wrap the pipe with soft fiberglass insulation, ensuring that it is loose and not tightly compressed. Surround this with an airtight seal of Acoustiblok, ensuring that it is also loosely wrapped.

## Installation Steps

1. Verify the pipes are positioned so they will not touch the framing or sheetrock. This will minimize transmission of vibrational noise through the structure framing.
2. Fill any gaps around the pipes in the footer or header plates with Acoustiblok Acoustical Sound Sealant or open cell foam spray.
3. Loosely wrap the pipes completely with at least 1.5 inch thick, loose insulation or batting. The insulation provides additional acoustical properties but its most important aspect is that it decouples Acoustiblok from the pipe.
4. Cut and install Acoustiblok, allowing for at least a 4 inch overlap of the material over the insulation. Make sure that the wrap does not extend beyond the framing edge, allowing contact with the drywall. You can install some of the fiberglass where needed to insure no mechanical contact with the Acoustiblok material and the drywall.
5. Apply a 3/8 inch bead of Acoustiblok Sound Sealant within the overlap area. Seal the seams using Acoustiblok Acoustigrip tape. Use the tape and sealant to create as airtight a seal as possible.



## *Installation Instructions*



*6900 Interbay Blvd  
Tampa, Florida USA 33616  
Telephone: (813)980-1440  
[www.Acoustiblok.com](http://www.Acoustiblok.com)  
[sales@acoustiblok.com](mailto:sales@acoustiblok.com)*

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