Submittal Package

Product Name

Acoustiblok® Sound Isolation Material

For Manufacturer Info:

Contact:
Acoustiblok, Inc.
6900 Interbay Boulevard
Tampa, FL 33616
Call - (813) 980-1400
Fax - (813)849-6347
Email - sales@acoustiblok.com
www.acoustiblok.com

Package Contains

- Product Data Sheets
  - Blok16
  - Blok32
- Article Information Sheet
- Installation Instructions
  - Wall Installation
  - Ceiling Installation
  - Floor Installation
  - Plumbing Installation
- Specifications (pending)

Product Data Sheet

Product Name

16 oz. Acoustiblok® Sound Isolation Material

For Manufacturer Info:

Contact:
Acoustiblok, Inc.
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Tampa, FL 33616
Call - (813) 980-1400
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Email - sales@acoustiblok.com
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Product Description

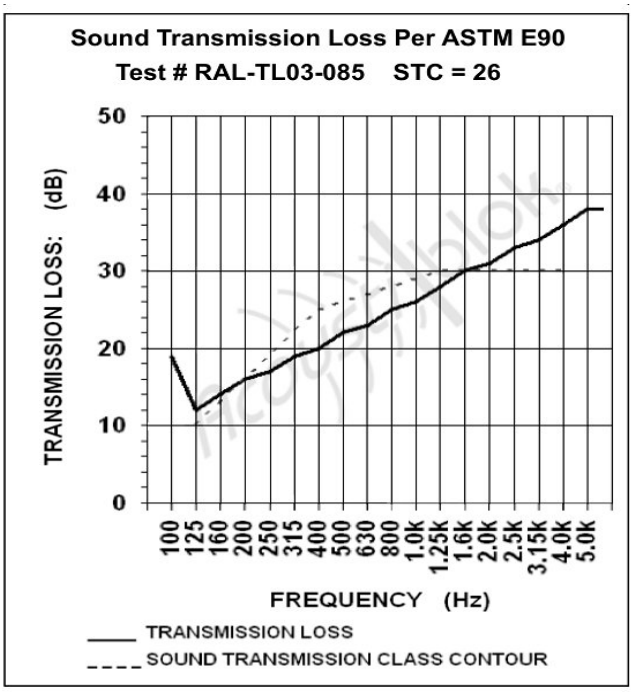
Basic Use

Acoustiblok offers high performance sound reduction solutions for multifamily projects, condominiums, hotel, hospitals, construction sites, industrial areas and other project where privacy and sound control are important.

Acoustiblok Sound Isolation Material

Acoustiblok is a heavy, yet very flexible viscoelastic polymer material that provides sound reduction through a unique adiabatic process. Rather than attempting to block or absorb sound, Acoustiblok transforms sound energy into inaudible friction energy as the material flexes from sound waves.

A 1/8th inch thick layer of Acoustiblok in a single stud wall assembly can provide more sound reduction than a foot of poured concrete.



Sound Transmission Loss Results

Benefits:

- Effectively reduces interior sound
- Over 300 UL Classifications
- Easy to install
- Resistant to UV, dirt and water
- Resistant to corrosion, mold and mildew

Product Data Sheet

Product Name

16 oz. Acoustiblok® Sound Isolation Material

Sound Transmission Class (STC)

Sound Transmission Class (STC) is a single number that represents the sound blocking capacity of a partition such as a wall or ceiling.

STC numbers are often called out in architectural specifications, to assure that partitions will reduce noise levels adequately. For performance similar to laboratory test numbers, it is necessary to adhere closely to the construction materials and techniques used in the tested partition.

STC is calculated by comparing the actual sound loss measured when 18 test frequencies pass through a partition, with fixed values for each STC level. The highest STC curve that the measured sound loss numbers fit under, determines the STC rating of the partition.

STC calculations emphasize sound frequencies that match the human voice. A high STC partition will block the sound of human speech and block noise that interferes with human speech. To estimate high and low frequency performance, consult the Sound Transmission Loss graph included in STC test reports. Impact Insulation Class (IIC) measure transmitted impact noise and are specified for floor-ceiling assemblies only.

Acoustiblok is the most efficient and cost effective solution for controlling transmitted sound in commercial, industrial and residential construction. A standard metal stud & gypsum board wall with only one layer of 16 oz. Acoustiblok (STC 53) blocks more sound than a 12” thick poured concrete wall (STC 51).

UL Classified for application in wall and floor/ceiling construction in the U300, U400, V400 and L500 categories (277 designs). Acoustiblok assures compliance with life safety and building code requirements.

Acoustiblok sound barrier material can be cut easily with a box knife and requires no special tools or skills to install.

Acoustical test reports for numerous wall and floor/ceiling designs are available from Acoustiblok on request. All our test data is taken directly from independent 3rd party laboratories under NVLAP certification.

Product Data Sheet

Product Name

16 oz. Acoustiblok® Sound Isolation Material

Physical Properties

- Barium free
- Minimum STC 26 per ASTM E90-02 & ASTM E413-87
- Minimum sound attenuation 19 dBA @ 100Hz
- Width 54” ± 0.125” (1.372 Meters ± 3.175 mm)
- Color black
- High UV resistance
- Heat tolerance: 200°F (93°C) for 7 days, less than 1% shrinkage with no deformation.
- Freezes at -40°F (-40°C). Do not unroll or flex frozen material. Properties not affected by freeze/thaw cycles.
- No fungal or algal growth and no visible disfigurement, per ASTM D3273 and ASTM D3274 (rating=10)
- Tensile strength min. 510 PSI
- UL Classified, file #R21490
- Weight 1 lb. square foot (4.89 kg square meter)
- Weight per roll:
    - 30’ (9.14m) = 150 lb. (68kg)
    - 60’ (18.29m) = 300 lb. (136kg)
    - 350’ (106.68m) = 1600 lb. (725.75kg)

6900 Interbay Blvd
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Product Data Sheet

Product Name

32 oz. Acoustiblok® Sound Isolation Material

For Manufacturer Info:

Contact:
Acoustiblok, Inc.
6900 Interbay Boulevard
Tampa, FL 33616
Call - (813) 980-1400
Fax - (813)849-6347
Email - sales@acoustiblok.com
www.acoustiblok.com

Product Description

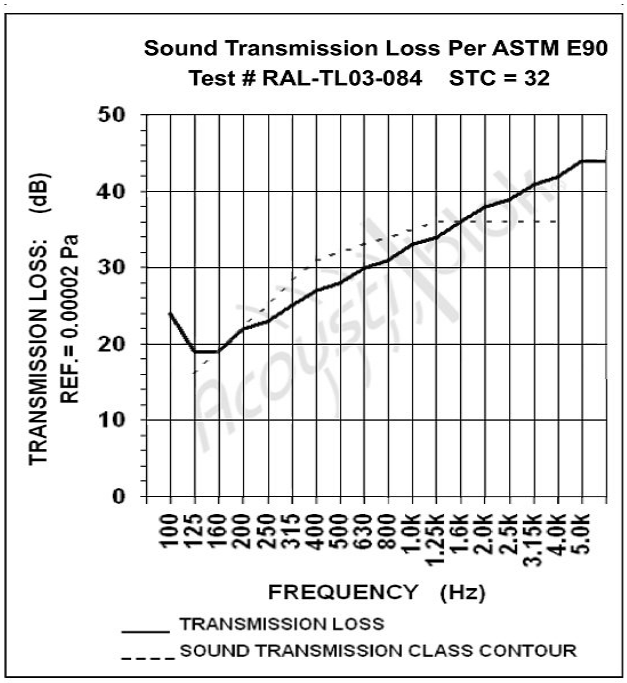
Basic Use

Acoustiblok offers high performance sound reduction solutions for multifamily projects, condominiums, hotel, hospitals, construction sites, industrial areas and other project where privacy and sound control are important.

Acoustiblok Sound Isolation Material

Acoustiblok is a heavy, yet very flexible, viscoelastic polymer material that provides sound reduction through a unique adiabatic process. Rather than attempting to block or absorb sound, Acoustiblok transforms sound energy into inaudible friction energy as the material flexes from sound waves.

A 1/8th inch thick layer of Acoustiblok in a single stud wall assembly can provide more sound reduction than a foot of poured concrete.



Sound Transmission Loss Results

Benefits:

- Effectively reduces interior sound
- Over 300 UL Classifications
- Easy to install
- Resistant to UV, dirt and water
- Resistant to corrosion, mold and mildew

Product Data Sheet

Product Name

32 oz. Acoustiblok® Sound Isolation Material

Sound Transmission Class (STC

Sound Transmission Class (STC) is a single number that represents the sound blocking capacity of a partition such as a wall or ceiling.

STC numbers are often called out in architectural specifications, to assure that partitions will reduce noise levels adequately. For performance similar to laboratory test numbers, it is necessary to adhere closely to the construction materials and techniques used in the tested partition.

STC is calculated by comparing the actual sound loss measured when 18 test frequencies pass through a partition, with fixed values for each STC level. The highest STC curve that the measured sound loss numbers fit under, determines the STC rating of the partition.

STC calculations emphasize sound frequencies that match the human voice. A high STC partition will block the sound of human speech and block noise that interferes with human speech. To estimate high and low frequency performance, consult the Sound Transmission Loss graph included in STC test reports. Impact Insulation Class (IIC) measure transmitted impact noise and are specified for floor-ceiling assemblies only.

Acoustiblok is the most efficient and cost effective solution for controlling transmitted sound in commercial, industrial and residential construction. A standard metal stud & gypsum board wall with only one layer of 16 oz. Acoustiblok (STC 53) blocks more sound than a 12” thick poured concrete wall (STC 51).

UL Classified for application in wall and floor/ceiling construction in the U300, U400, V400 and L500 categories (277 designs). Acoustiblok assures compliance with life safety and building code requirements.

Acoustiblok sound barrier material can be cut easily with a box knife and requires no special tools or skills to install.

Acoustical test reports for numerous wall and floor/ceiling designs are available from Acoustiblok on request. All our test data is taken directly from independent 3rd party laboratories under NVLAP certification.

Product Data Sheet

Product Name

32 oz. Acoustiblok® Sound Isolation Material

Physical Properties

- Barium free
- Minimum STC 32 per ASTM E90-02 & ASTM E413-87
- Minimum sound attenuation 24 dBA @ 100 Hz & 16dBA @ 40Hz
- Width 54” ± 0.125” (1.372 Meters ± 3.175 mm)
- Material Thickness: 0.22” ± 0.03” (5.59mm ± 0.76mm)
- Color black
- High UV resistance
- Heat tolerance: 200°F (93°C) for 7 days, less than 1% shrinkage with no deformation.
- Freezes at -40°F (-40°C). Do not unroll or flex frozen material. Properties not affected by freeze/thaw cycles.
- No fungal or algal growth and no visible disfigurement, per ASTM D3273 and ASTM D3274 (rating=10)
- Tensile strength min. 365 PSI
- Weight 1 lb. square foot (4.89 kg square meter)
- Weight per roll:
    - 100’ (30.48m) = 900 lb. (408.24kg)

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Article Information Sheet

Product Name

Acoustiblok® Sound Isolation Material

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Document Usage

Acoustiblok provides this Article Information sheet as a convenience to our customers. A Safety Data Sheet (SDS) has not been prepared for these products because they are articles as defined by hazard communication regulations such as the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200(b)(6)(v)): "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

Article Identification

Product Family	:	DSS SHEET / ROLL STOCK FINISHED GOOD
Product Names	:	Flexible PVC A – BLACK (Various Dimensions)
Product Form(s)	:	Sheet / ROLL
Primary Resin(s)	:	RESIN Type: PVC
Intended Use	:	Industrial/Plastic
Emergency telephone number (with hours of operation)	:	**CHEMTREC 1-800-424-9300** (24 hrs. for fire or accident/incident involving product).

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Article Information Sheet

Advisories

There are no known or identified hazards associated with normal use of this material as intended by the manufacturer.

These products may burn if exposed to flame or excess heat. Combustion involving these products can be expected to evolve normal decomposition products such as carbon monoxide and carbon dioxide, but other decomposition products may also be produced. Care should be taken to avoid conditions that might cause overheating or combustion of this material.

We have considered hazards of this material "as provided" to the customer. We cannot speculate or identify all potential hazards of downstream processing or mishandling of this article (for example mechanical irritation from particles resulting from cutting or other processing, or fumes from overheating, or combustible dust generation). The user must consider its own processing of the article in its own hazard determinations. If you have any questions on the safe handling or processing of this product, please contact us.

Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Disposal of this product and any by- products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and any packaging or container must be disposed of in a safe way. Empty packaging, containers or liners may retain some product residues.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Article Information Sheet

Transport Information

This product is not regulated under U.S. DOT, IATA or IMDG for transport.

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Installation Instructions

Product Name

Acoustiblok® Sound Isolation Material

Installation Type

Wall 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^2), so when preparing for the installation always schedule at least two installer for efficiency and safety.

All tool (except common hand 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

You have two choices for fastening Acoustiblok onto wood framing. You can use nails or staples to secure the Acoustiblok. Either fastener requires a plastic or “tin cap” roofing washer to ensure that the material will not pull away from the fastener or tear the material. If you are using air tools to drive your nails or staples adjust the air pressure low enough so you don’t shoot through the washer or material. (Ask your sales rep about the Bostitch cap & stapling system)

1. Metal frame installations require self tapping screws and metal caps or self tapping wafer head screws, which are available from Acoustiblok (Item # WHS).

2. 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 Ft2), cut the material into manageable sizes.

3. Unroll the first few feet of the roll and square the end of the material with your T-square and score with a utility knife and tear it off. Starting with a square edge provides for tighter 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.

4. Install across (horizontal) the studs, not parallel (vertical) to them. This minimizes the number of seams that require sealing. You may want to run a chalk line across the studs for a visual reference for maintaining a level install. Acoustiblok recommends installing the lower piece first, becoming familiar with the installation process before attempting to install from the top down.

5. Start the installation in a corner, securing it with 5 fasteners. Install 4-5 fasteners per section starting with the top first and work down, keep fasteners and material flat against the stud. Unroll the material across a few studs and place the roll in one of the following stud cavities, for ease of handling by reducing the weight of the material you are handling during the installation. Use the studs for leverage to help pull the material into position. Do not pull the Acoustiblok too tight; leave it somewhat “relaxed” or “limp” between the studs. Maintain a small gap (1/8”-3/8”) between all adjoining surfaces (floor, ceiling, walls). These gaps will be sealed later with Acoustigrip™ tape and Acoustiblok Acoustical Sound Sealant.

6. The attempt is to create an airtight assembly. If air can pass through so can sound, so sealing the seams is a critical step for a proper acoustical installation. Using Acoustigrip tape and Acoustiblok Acoustical Sound Sealant, begin to seal all perimeter edges, joints, electrical boxes, access points and the exposed edges at window and door openings. Use Acoustiputty™ pads to seal the backs of any boxes and other large gap wall penetrations.

7. 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.

Acoustiblok® quieting the world

Installation Instructions

Additional Notes for Wall Installation

1. You may choose to either butt or overlap the horizontal seams. If you overlap, be aware that there will be a 1/8” rise in 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 and Acoustiblok Acoustical Sound Sealant.

2. Installing Acoustiblok on the interior side of an exterior wall requires attention to the vapor flow performance of the wall assembly. To provide adequate vapor flow the material seams should be overlapped. Use the Acoustiblok Acoustical Sound Sealant and spot apply it to the center of each wall cavity. Do not tape the seam or apply acoustical sealant along the bottom of the assembly. Do not put any fasteners within the overlapped area.

3. When drywall is installed make sure that its 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 reducing the mechanical transmission of the sound. Tape & finish the drywall as normal.

4. If using resilient channel, attach the channels to the stud or joist 24" o.c. on top of the Acoustiblok. Use screws long enough to penetrate the drywall and channel only. Do not penetrate the Acoustiblok Sound Isolation Material.

5. If in-wall speakers are used you must create an exaggerated bend of the Acoustiblok into the wall or joist cavity, providing sufficient 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 tape to seal any seams.

6. Using 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 Quiet-Fiber to increase the sound reduction properties of the assembly.

Installation Instructions

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Installation Instructions

Product Name

Acoustiblok® Sound Isolation Material

Installation Type

Ceiling 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^2), so when preparing for the installation always schedule at least two installer 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

Due to the weight of the Acoustiblok Sound Isolation Material, it is recommended that a 2 - 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 the weight 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 to the joist. Pull the Acoustiblok from one end of the room to the other across the top of the support system.

2. Allow enough slack in the Acoustiblok so it hangs below the joist at 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 to the stud or joist 24" o.c. on top of the Acoustiblok. Use screws long enough to penetrate the drywall and channel only. Do not penetrate the Acoustiblok Sound Isolation Material.

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 isolation.

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 Install 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, Acoustigrip tape, and Acoustiputty sealant pads.

3. Using 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.

Installation Instructions

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Installation Instructions

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/ft^2), so when preparing for the installation always schedule at least two installer 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.

Installation 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.

Acoustiblok® quieting the world

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.

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

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Installation Instructions

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^2), so when preparing for the installation always schedule at least two installer 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.

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