

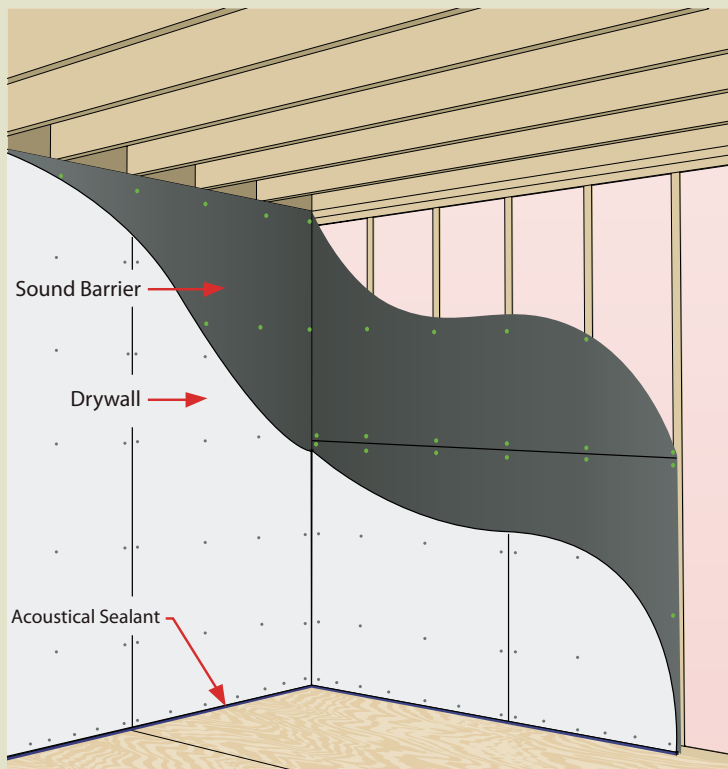
SOUNDPROOF BARRIER

WALLS/CEILINGS/FLOORS

SOUND BARRIER IS THE NOISE CONTROL STANDARD

UL CERTIFIED FOR USE IN WALLS AND FLOORS

RECOGNIZED AS AN EFFECTIVE, PROVEN PRODUCT FOR
SOUNDPROOFING AND NOISE REDUCTION



By attaching Soundproof Barrier directly to the studs, noise energy will be absorbed and redirected, lowering the noise level in the next room.

Soundproof Barrier is also effective when used between layers of drywall, plywood or MDF.

SOUND [ISOLATION] COMPANY

Soundproofing Made Simple

(888) 666-5090 | Fax: (704) 504-1115
info@soundisolationcompany.com
www.soundisolationcompany.com

Soundproof Barrier is the most widely used noise control solution for walls, floors and ceilings.

For a reliable, proven solution to any noise problem, you can count on Sound Isolation Company. Soundproof Barrier (Mass Loaded Vinyl or MLV) is a flexible, heavy product that comes in rolls. Simple to install, and readily available from 10 different US locations, Soundproof Barrier is an easy and effective choice for your soundproofing project.

For today's commercial, institutional and residential projects standard construction will not provide adequate privacy between spaces. It is common practice to place occupants with diverse businesses next to one another; many homes now have media rooms in the basement with living or sleeping space above; institutional spaces are combining quiet areas and loud activity areas on the same floor, or stacked on each other. In every case Soundproof Barrier can provide needed noise reduction.

- ▶ Easy to use, widely recognized and available for shipment today for 10 different US locations.
- ▶ Available in several weights and thicknesses; 48" or 54" wide to match framing of walls/ceilings.
- ▶ Used and tested in 1000's of projects; providing your project with higher STC rating.

Solve your noise problem. Call now to get it right the first time 888-666-5090

With Sound Isolation Company you will get the help you need: expert design, product selection and installation instruction. We have the experience you need for a partnership that will work.

www.soundisolationcompany.com



SOUNDPROOF BARRIER SOLVES ALL YOUR NOISE CONTROL PROBLEMS IN ONE EASY STEP

- Install quickly with cap stapler or cap nailer.
- At 1 lb. thick, MLVs' low profile will not affect doors/windows
- Ideal for installation on wood or metal framing

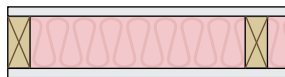
OFFICE NOISE, NEIGHBOR NOISE, MULTI-FAMILY

Use 1 pound/square foot Soundproof Barrier and a single layer of 5/8" drywall.

MORE DEMANDING PROJECTS LIKE HOME THEATER AND STUDIOS, INDUSTRIAL NOISE OR MIXED-USE COMMERCIAL

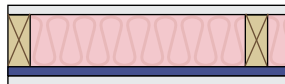
Use 2 pound/square foot Soundproof Barrier and a single layer of 5/8" drywall.

Standard Wall - STC: 37-39



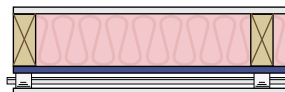
5/8" Drywall both sides
2"x4" Wood Studs
R-13 Insulation

Soundproof Barrier - STC: 47-50

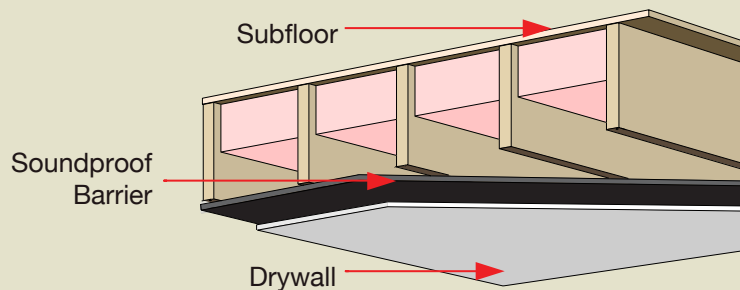
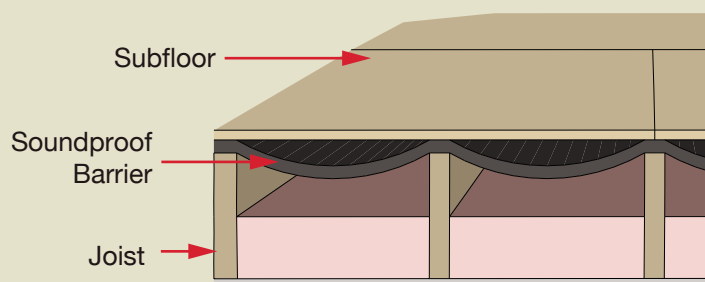
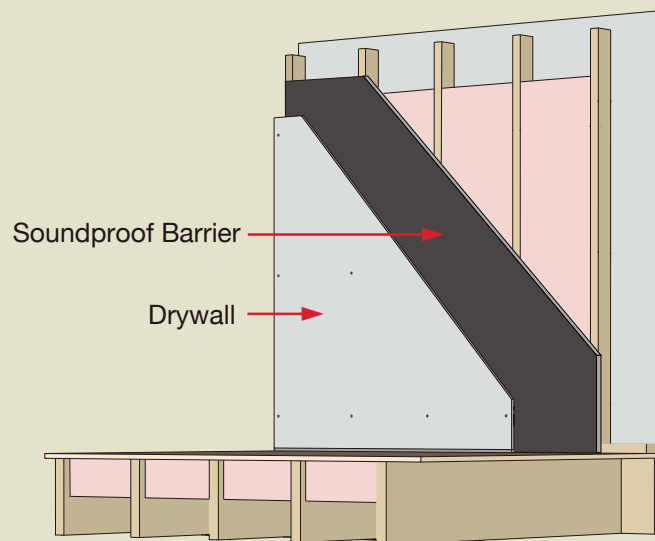


5/8" Drywall both sides
Soundproof barrier one side
2"x4" Wood Studs
R-13 Insulation

Sound Isolation Clips - STC: 58



Single Studs with Soundproof Barrier and Sound Isolation Clips on one side, single layer of 5/8" drywall both sides.



SOUND BLOCKING BY FREQUENCY

Weight	125	250	500	1K	2K	4K	STC
1.0 lb	16	17	23	29	34	37	27
2.0 lbs	19	22	27	34	38	43	32

Roll Sizes	4' x 25'	4.5' x 30'
	Custom Roll Sizes Available	

INSTALLATION REQUIREMENTS

Foil Seam Tape
Acoustical Sealant
Putty Pads
Cap Stapler



UL Online Certifications Directory CLB.V.R25047

Wall and Partition Facings and Accessories

Wall and Partition Facings and Accessories

See General Information for Wall and Partition Facings and Accessories

Type Tuff-Mass Acoustic Barrier (1 lb/sq ft.) membrane for optional use on one side of wall designs of the U300, U400, and V400 series. Also for optional use in floor-ceiling constructions of the L500 series over the subfloor.

For U300, U400 and V400 series designs, one layer of membrane applied to one side of wood or steel studs between stud and gypsum board per manufacturer's recommendations. When installed, the membrane flex at midspan between the studs shall be max. 1 in. from the back of the gypsum board. Gypsum board layer(s) installed over membrane per the Design.

For L500 series designs, one layer of membrane applied over the subfloor with adhesive and/or nails per manufacturer's recommendations. Finish floor attached per manufacturer's instructions.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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Information herein pertains to Tuff Mass Acoustic Barrier, manufactured by Soundown Corporation 16 Broadway Salem MA 01970. Sound Isolation Company is a distributor of Tuff-Mass Acoustic Barrier.

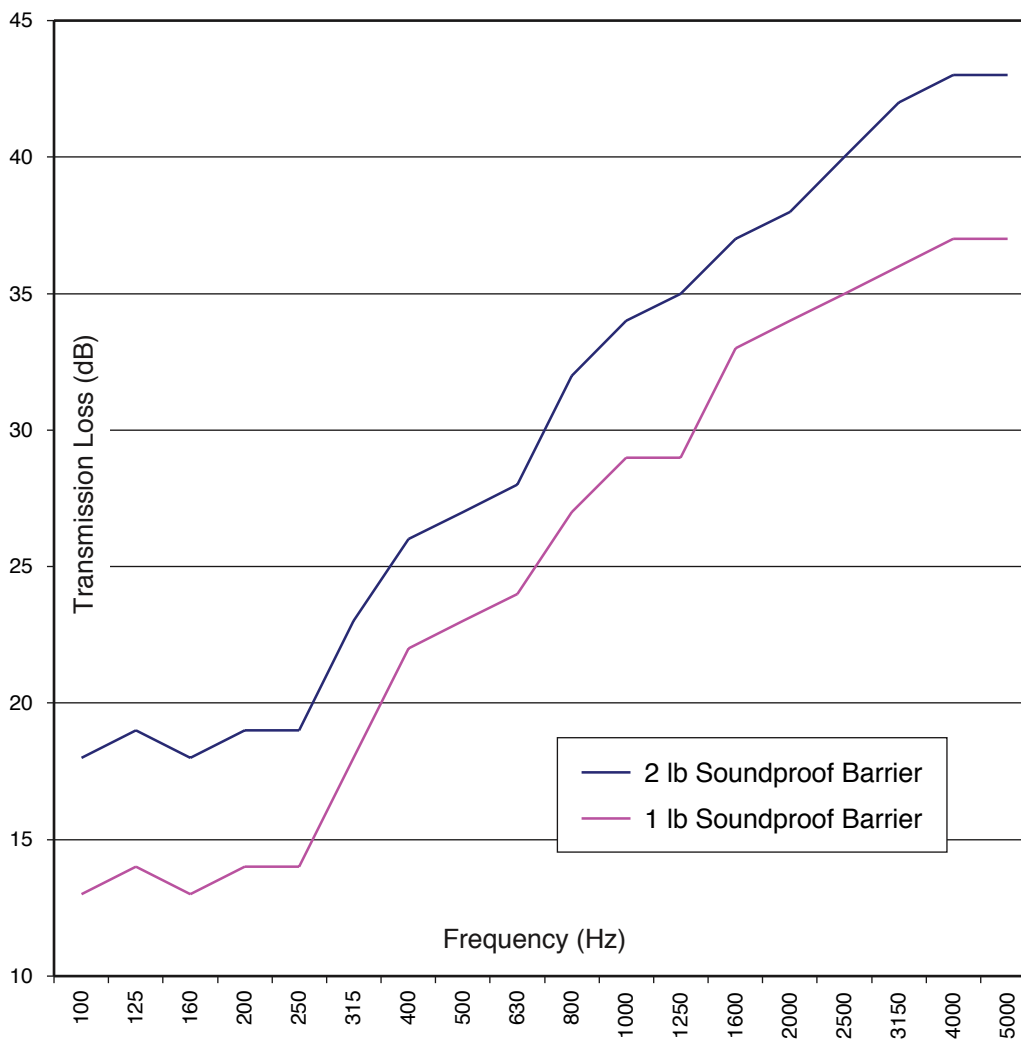


Soundproofing Made Simple®

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**Soundproof Barrier STC Performance
Tested Alone Not in a Wall Assembly**



Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	STC
2 lb per sq ft	18	19	18	19	19	23	26	27	28	32	34	35	37	38	40	42	43	43	32
1 lb per sq ft	13	14	13	14	14	18	22	23	24	27	29	29	33	34	35	36	37	37	27

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**Soundproofing Barrier
is a **Certified UL** product.**

Approved for use in
wall, floor and ceiling

UL assemblies; a
requirement for all
commercial construction.



Instruction and Safety Manual

Soundproofing Acoustic Barrier



Soundproofing Acoustic Barrier is available in an UL approved version

- UL approved in over 100 wall, floor, ceiling assemblies; U300, U400, V400, L500 series.
- Product must be stamped UL Classified. Do not accept as UL Classified if not stamped.

Soundproofing Barrier is a specially developed mass layer product offering industry-leading acoustic transmission loss combined with great damping properties. It is available in 1lb/sqft to 2lbs/sqft densities with STC ratings up to 32. It is a simple to install, highly cost-effective noise blocking material.

SPECIFICATIONS

STC.....	22 to 32
Weight	5lb, 1lb, 2lb
Temp Range	-40 to 200° F
Flammability	Passes

REQUIRED MATERIALS

Fasteners:

- 1.25" Staples and caps, with power cap stapler (Crossfire, Bostich, other)
- Roofing Buttonkaps, at least 1" (ring shank nail with plastic cap)
- 1.5" Coarse thread drywall screws, with fender washers

Tools:

- Drill or screw gun with mechanical fasteners
- 2" Vinyl or Foil Seam Tape
- Tape Measure
- Box Cutter
- 4' Straight Edge (T-Square or Level)

ACCESSORIES

- Sound Isolation Clips
- QuietClips
- Acoustical Caulk
- Vinyl Seam Tape
- Foil Seam Tape
- Sealtight Putty Pads

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WALL INSTALLATION GUIDE

- Soundproof Barrier can be used in several ways to provide a measurable improvement. The product is effective over existing walls and as the first layer on the studs with drywall attached over.
- Use fiberglass insulation at least ½ cavity depth.
- Cut material off rolls only as needed.
- Vertical seams will occur either on face of stud tightly butted, or in stud cavities (overlap by 2" and tape at least twice).
- Installation will be a two person job for walls, 3 people for ceilings.
- Ladders with paint can-shelf or scaffolding are required to support roll of material while fastening.
- Every electrical box, switch box or other penetration.



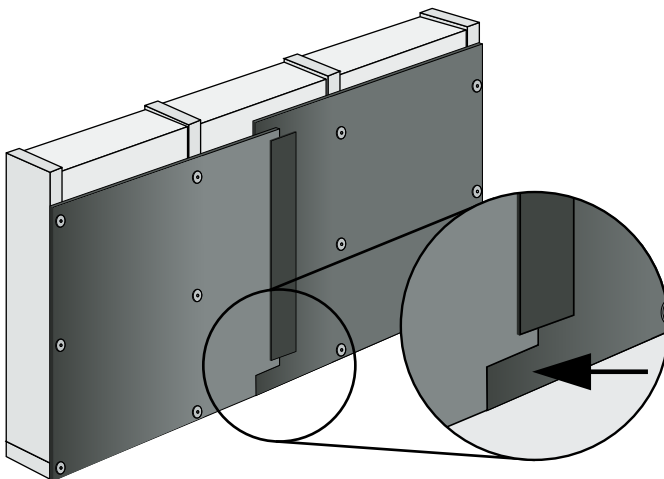
Measure the height of the wall



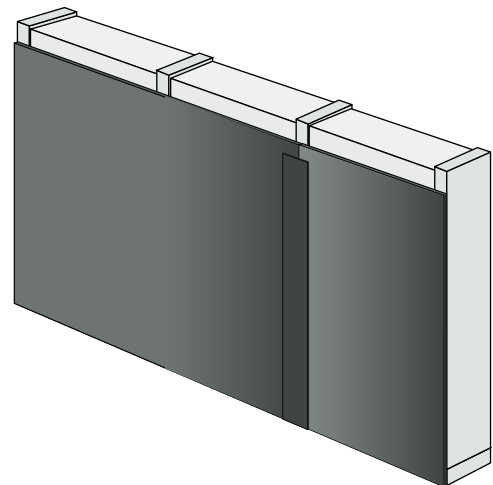
Cut Barrier to the appropriate length.

Installing Soundproof Barrier To Walls

1. Soundproof barrier will be fastened to the studs vertically. Complete coverage is required, top, bottom and vertical seams must be sealed with vinyl or foil tape.
2. Before starting, decide how vertical seams will be handled; either on the face of studs, or in stud cavities.
3. After measuring the height of the wall, cut the soundproof barrier to the appropriate length to cover the area from the top of the top-plate to the bottom of bottom plate.
4. Re-roll each section and place on the top of ladder or scaffolding. With two people, unroll 2 feet of the barrier so the barrier reaches the top of the wall. Making sure the barrier is square to the wall and flat, attach 5 fasteners along the top plate.



Above is an example of a vertical seam inside the stud cavity. Use foil or vinyl tape to seal each seam. Notch one side of the soundproof barrier over the top plate and the late, so only one layer of barrier is over the wood. This will allow the drywall to lay flat across the whole wall.



Above is an example of a vertical seam on the face of studs. Tape all seams and stagger the Buttonkaps along seam to allow the finished drywall to lay flat.

5. Carefully roll the Soundproof Barrier down the wall, attaching it every 24" to all studs.
6. Make 5 attachments at the bottom of the wall.
7. Make box cutouts in barrier as they occur. Do not wait until the room is finished. For better performance, use Sealtight Putty Pads around electrical knock-outs.

Note: Do not try to support the weight of the roll while fastening; it should be supported by ladder or scaffolding.

8. Check all fasteners to make sure they are flush to the wall, recheck all seams and cutouts for a tight fit.
9. Proceed to next section until room is finished.
10. Tape all vertical seams twice with foil or vinyl tape.
11. When installing drywall, make sure to leave a 1/4" gap around the perimeter to be filled with acoustical caulk. Also be sure to seal around every electrical box cutout.

Note: It is very important to avoid a rigid connection at the perimeter of the soundproofed wall/ceiling when intersecting with a non soundproofed surface such as floor, other wall, or the ceiling.



Fastener the barrier in 5 spot at top of roll.

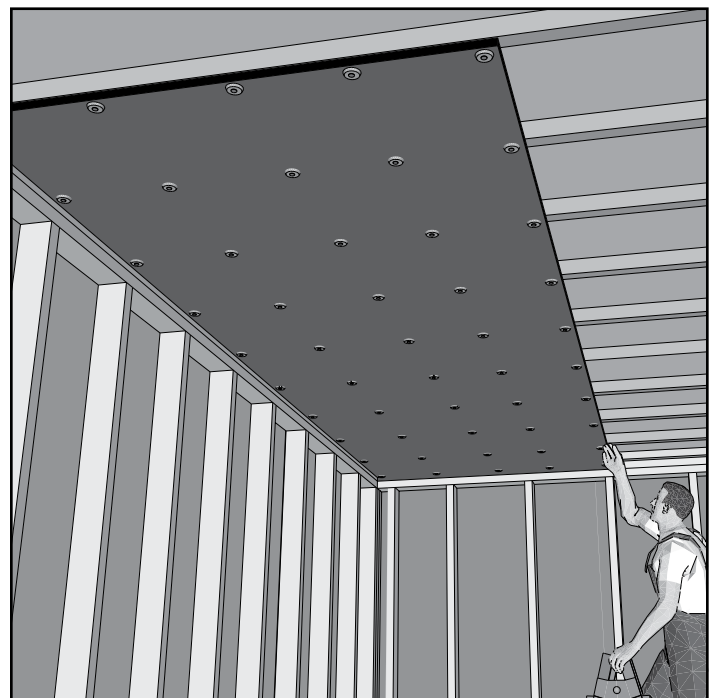


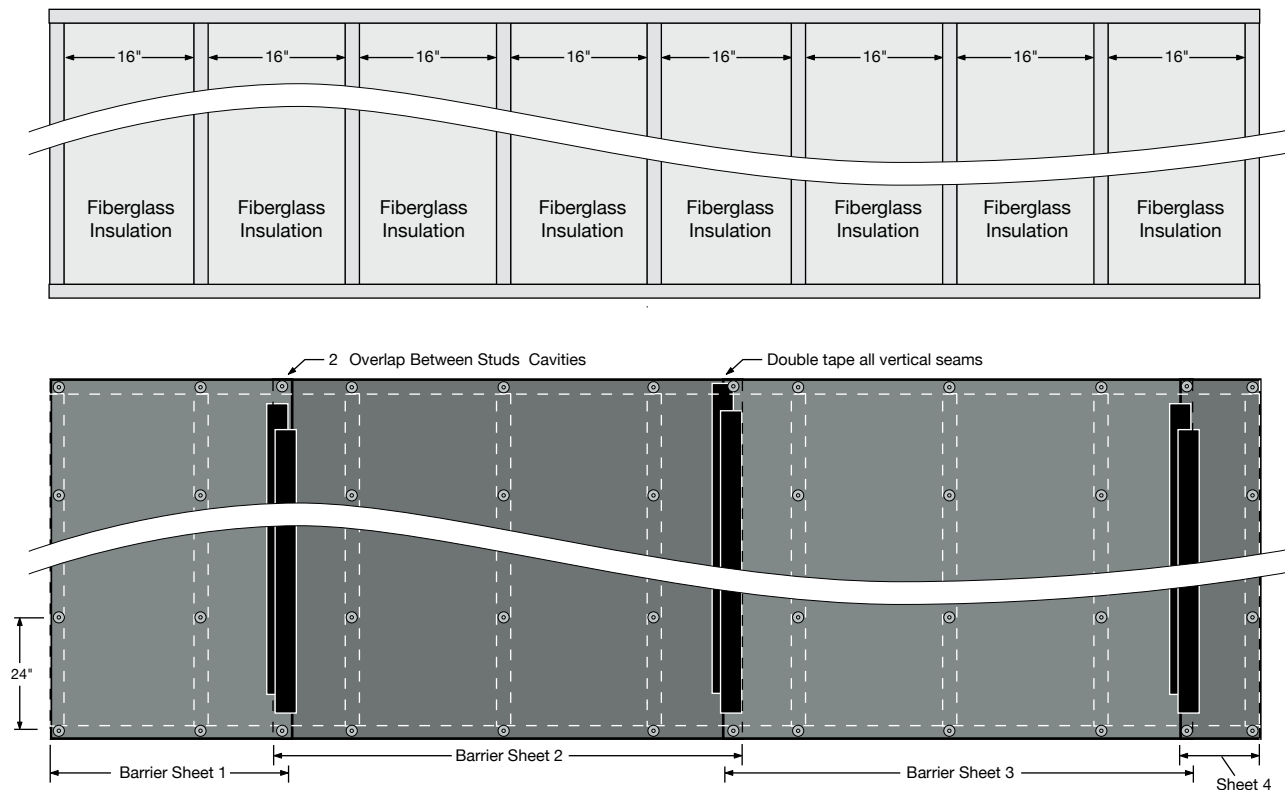
Tape vertical seams with foil or vinyl tape.

Ceiling Installation

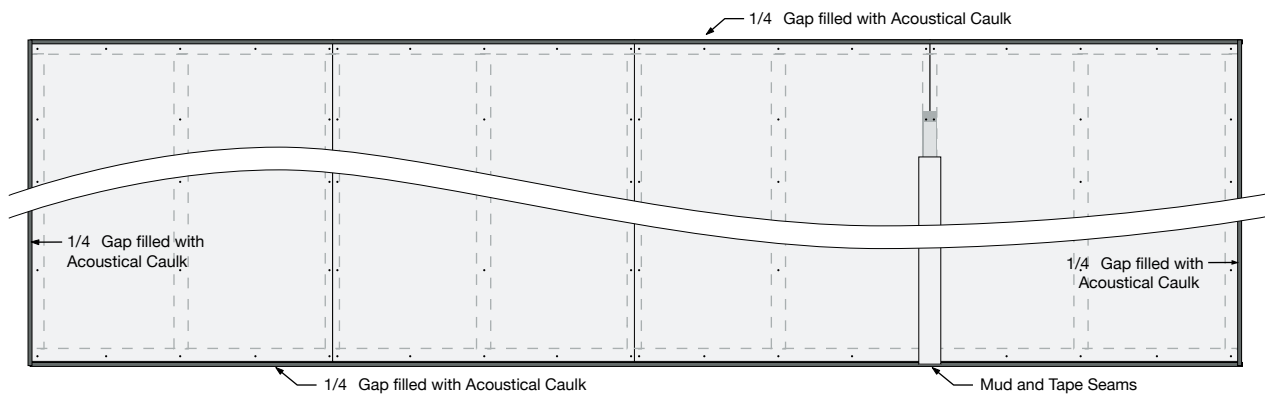
Note: Button cap stapler or nailer is required.

1. Install Soundproof Barrier perpendicular to the floor joist or framing.
2. Cut product into usable sections and roll it up.
3. Attach product to first floor joist at the wall with 5 fasteners.
4. Unroll the product as needed to cover the next joist, and pull tight (this can be accomplished by holding the roll up into the joist cavity) attach again with 5 fasteners. Continue to the end of the roll.
5. Tape all seams in the vinyl with foil seam tape to insure a tight fit everywhere. Seal any penetrations with SilenSeal Acoustical Sealant.
6. Proceed by installing drywall or Sound Isolation Clips.





After measuring and cutting the barrier to desired length on the floor, re-roll and place it on a ladder or scaffolding near the ceiling. Unroll the barrier until flush with the ceiling and square to the wall. Attach the barrier to top plate in 5 locations. Continue nailing the barrier every 24 inches on every stud. Attach the bottom of the barrier in 5 locations.



Attach drywall directly to the studs with standard drywall screws following local building codes. Leave a 1/4" gap around the perimeter of wall to be filled with acoustical caulk. Caulk the entire perimeter of the wall as well as any electrical cutouts with acoustical caulk.

Warranty:

Because of the many installation variables beyond our control, we shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claims shall be deemed waived unless made in writing to us within thirty (30) days from the date it was or reasonably should have been discovered.

Returns:

A 15% restocking fee will apply to all returned items. Returns must be made within 60 days of customer's receipt of original shipment. Returns after 60 days are not allowed.

Installation Guide and Safety Guide

Green Glue Noiseproofing Sealant



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Green Glue Noiseproofing Sealant is a one-part nonflammable product designed specially for the reduction of sound transmission in all types of wall partition systems. Its primary function is to achieve and maintain the specific Sound Transmission Class (STC) value of the system designed. Use to seal edges and seams of drywall and subfloor to prevent loss of sound isolation caused by leaks.

SPECIFICATIONS

Appearance	Brown Creamy Paste
Solids.....	67-70% by weight
Viscosity	980,000 cps +/- 10% # spindle 1rpm
PH.....	7 -7.5
Flammability	Non-Flammable
VOC Content	<5 gr/liter (calculated)
Cure Time	2-7 days
Application temperature	40°F min
Storage.....	40 to 100 deg F
Clean Up.....	Soap and Water
Shelf Life	1 year

COVERAGE

29 oz. Tube	1/2" bead	22 linear ft.
	3/8" bead	40 linear ft.
	1/4" bead	89 linear ft.

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INSTALLATION GUIDE

Green Glue Noiseproofing Sealant is required on soundproofing projects to insure the sound ratings. Do not substitute other non-acoustical sealants as they will fail.

STEP 1

- Use a utility knife to cut an opening on the end of the Green Glue Sealant tube.
- Tighten nozzle onto opened Green Glue Sealant tube.
- Cut nozzle to desired bead size (3/8" bead is recommended).

STEP 2

- All surfaces must be clean, dry and free of dirt, dust, oil, moisture and other foreign substances which could interfere with the bond of the Green Glue Acoustical Sealant.

STEP 3

Walls & Ceilings: Use Green Glue Sealant at the perimeter including all intersections with other walls, masonry, steel or other existing materials. 24 hours after application it is acceptable to mud and tape intersections. Green Glue Sealant may be used at all butt joints prior to mud and tape. Green Glue Sealant is paintable after 24 hours.

For multi layer drywall applications it is required to use SilenSeal for both layers.

Penetrations: All penetrations should be sealed completely with Green Glue Sealant, including mechanical and plumbing, outlet and switch plate boxes, lighting and any other cutouts in the surface of wall ceiling or floor.

Floors: For multi layer sub floors maintain a 1/4" gap at the perimeter of second layer. This gap should be filled with Green Glue Sealant. A similar gap should be maintained for any subsequent layers of the finished floor.

NOTES

- Maximum joint sizes should not exceed 5/8" x 1/2"
- Clean tools and excess sealant immediately after application with soap and water.
- Silenseal can be painted after 24 hours if needed.

SOUNDPROOFING ACCESSORIES

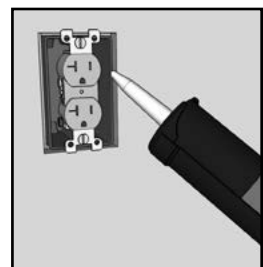
- | | |
|-----------------------|-------------------------------|
| Privacy Duct Silencer | Privacy Recessed Light Covers |
| Sealtight Putty Pads | Privacy Speaker Covers |
| Integrity Gasket | Privacy Door Seals |



Seal any gap in the rooms corners.



Fill any gap between the wall and subfloor or wall and ceiling with sealant.



Use Green Glue Sealant where the drywall meets the electrical boxes.

DISCLAIMER: These application notes represent generally accepted procedures for successful installation. Sound Isolation Company reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these application notes prior to commencing installation.



Sealtight Putty Pads (SPP) are used to provide an airtight seal for all electrical boxes, preventing noise travel through the wall or ceiling that you soundproofed. SPP will also maintain the fire rating of the partition. The pads come 7" x 7" to fit a standard two plug outlet, or single switch box. For larger boxes we suggest two pads.

Installation of Sealtight Putty Pads is simple. The pad is molded around the outside of the box, and extended slightly where new drywall will be installed to insure a very tight fit at this intersection. After the drywall is installed you will need to use sealant to fill any gaps as well.

SEALTIGHT PUTTY PADS SPECIFICATIONS



Fill, void or cavity materials classified by Underwriters Laboratories Inc. For use in through-penetration fire-stop systems.



Underwriters Laboratories Inc. Classified Wall protection material. See product Category in UL fire resistance directory.



Classified fill, void or cavity materials For use in through-penetration fire-stop systems. See UL directory of products Certified for Canada and UL fire resistance directory.

STC.....	51
Color.....	Red
Odor	None
Density.....	1.45
Solids.....	100%
Percent Volatile.....	none
Solubility in Water.....	Very slight
Flash Point.....	163 deg. C
Expansion Begins.....	230° F
In-Service Temperature	130° F
Conditions to Avoid	Storage below 55° C
Hazardous Polymerization.....	Will not occur
Incompatibilities	None special

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INSTALLATION GUIDE

Installing Sealtight Putty Pads for Electrical Boxes

NOTES

- Non-hardening for easy installation and retrofitting of cables.
- Two-Stage Intumescence provides aggressive expansion.
- Highly adhesive: stays put!
- Unaffected by humidity, condensation, water.
- Soft, pliable, easy to install.
- Tested and proven acoustical properties.
- No tools required.
- UL Classified (up to 3 hr.)
- FM Approved.

INSTALLATION INSTRUCTIONS

1. Remove any water, excess dust, dirt or oil from the box and adjacent surfaces (Fig 2.1)
2. Remove the protective film from one side of the putty pad. (Fig 2.2)
3. Line pad up evenly with widest part of the box.
4. Fold over onto all surfaces of the electrical box ensuring that the box is covered and any gaps are sealed. (Fig 2.3)
5. Overlap the box edges with the pad to seal at studs, tightly wrap the electrical line and any conduits (Fig 2.4)
6. Extend the pad slightly along the front of the box so that drywall will compress the pad enough to form an airtight seal.
7. If pad size is not sufficient to cover the entire box and all penetrations use additional pad or partials- the performance is dependent on your installation being completed as instructed. (Fig 2.5)
8. Contact your salesperson with any questions about putty pads or any other part of your project- 888-666-5090

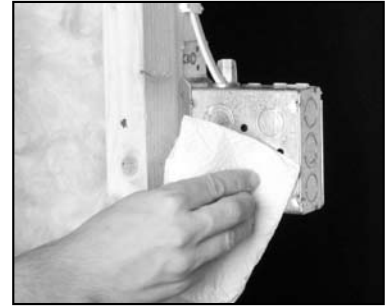


Figure 2.1

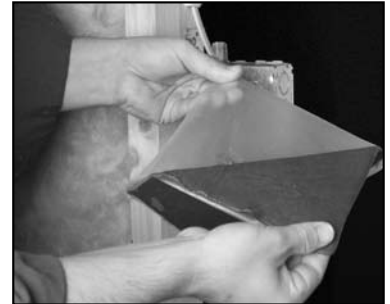


Figure 2.2



Figure 2.3

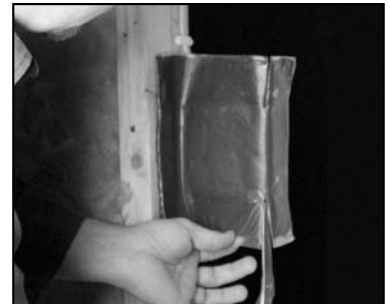


Figure 2.4

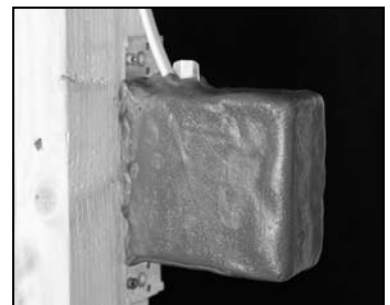


Figure 2.5