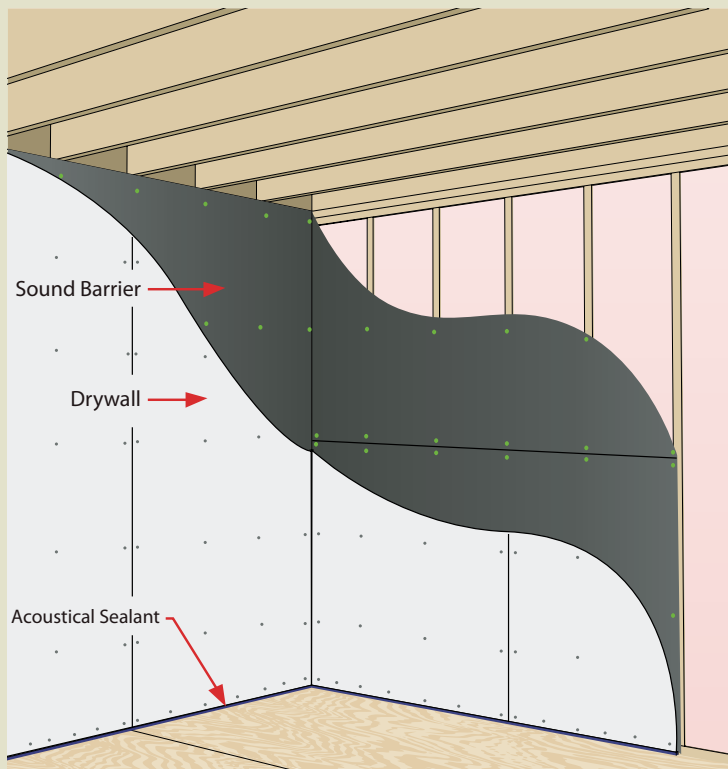


SOUNDPROOF BARRIER

WALLS/CEILINGS/FLOORS

SOUND BARRIER IS THE NOISE CONTROL STANDARD
FAST AND EASY INSTALLATION WITH PROVEN RESULTS
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 not effective between layers of drywall, plywood, or other rigid materials

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" wide to match framing of walls/ceilings.
- ▶ Used and tested in 1000's of projects; providing your project with higher STC rating.
- ▶ UL approved U300, U400, V400, L500

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.

SOUND [ISOLATION] COMPANY

2900 WESTINGHOUSE BLVD. SUITE 106
CHARLOTTE, NC 28273
704 / 504 / 1127 PH
704 / 504 / 1115 FX
888 / 666 / 5090 TOLL FREE
WWW.SOUNDISOLATIONCOMPANY.COM

www.soundisolationcompany.com



Soundproof Barrier solves all your noise control problems in one easy step.

- Install quickly with a cap stapler (Crossfire) or button caps.
- At only $\frac{1}{8}$ " thick, low profile will not affect doors/windows.
- Ideal for installation on wood or metal framing.

Your soundproofing choice is simple!

Neighbor noise, party walls, everyday levels:

Use $\frac{1}{8}$ " thick, 1 lb/sqft Soundproof Barrier and regular $\frac{5}{8}$ " drywall; will improve wall to STC 50

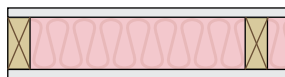
Louder noises from music, light industrial or nuisance situations:

Use $\frac{3}{16}$ " thick, 1.5 lb/sqft Soundproof Barrier and regular $\frac{5}{8}$ " drywall; for better results.

Home Theater, Band Practice, Home Studio, amplified noise:

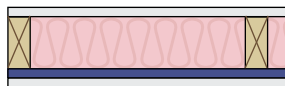
$\frac{1}{4}$ " thick, 2 lb/sqft Soundproof barrier and regular $\frac{5}{8}$ " drywall; is required in these situations.

Standard Wall - STC: 37-39



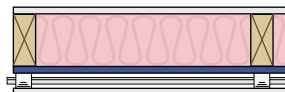
$\frac{5}{8}$ " Drywall both sides
2"x4" Wood Studs
R-13 Insulation

Soundproof Barrier - STC: 47-50

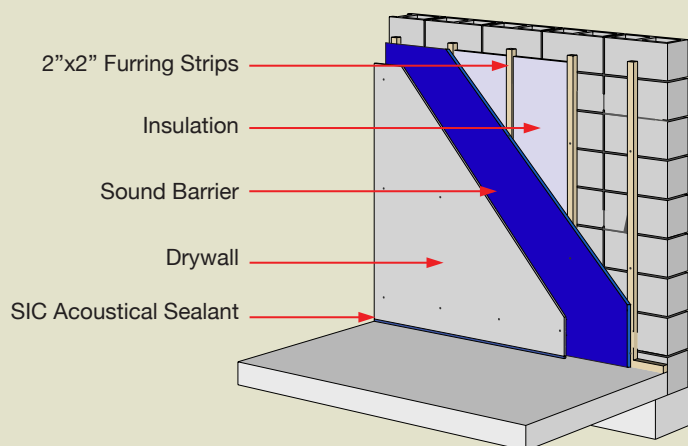
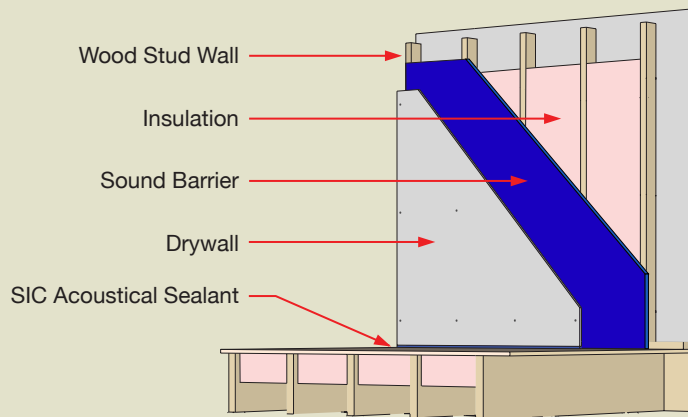
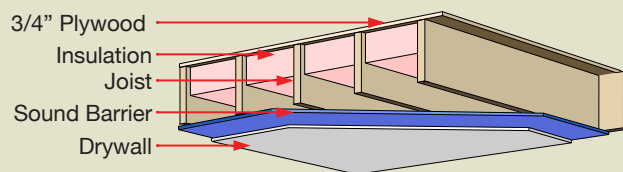


$\frac{5}{8}$ " Drywall both sides
Soundproof barrier one side
2"x4" Wood Studs
R-13 Insulation

Sound Isolation Clips - STC: 58



$\frac{5}{8}$ " Drywall both sides
Soundproof barrier one side
Sound Isolation Clips one side
2"x4" Wood Studs
R-13 Insulation



TRANSMISSION LOSS FACTOR (SINGLE PASS)

Density	125	250	500	1000	2000	4000	STC
0.5 lb	8	13	17	22	27	31	20
1.0 lb	16	17	23	29	34	37	27
1.5 lb	17	19	25	31	36	44	29
2.0 lb	19	22	27	34	38	43	32

per ASTM E-90, E 413

ACCESSORIES

Foil Seam Tape (for overlaps in stud cavity)
Acoustical Caulk
Vinyl Seam Tape
Crossfire Stapler
Sound Isolation Clips (maximum results)

Instruction and Safety Manual

Soundproofing Acoustic Barrier



Copyright 2007 Sound Isolation Company
No part of this document may be reproduced, in whole or in part, without the specific written permission of Sound Isolation Company.

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
Approved for commercial and residential use.

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

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 seam tape
- Tape measure
- Box cutter
- 4' Straight edge (t-square or level)

SOUNDPROOFING ACCESSORIES

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

Soundproofing Made Simple®

2900 WESTINGHOUSE BLVD SUITE 106
CHARLOTTE, NC 28273
704 / 504 / 1127 PH
704 / 504 / 1115 FX
888 / 666 / 5090 TOLL FREE
WWW.SOUNDISOLATIONCOMPANY.COM

WALL INSTALLATION GUIDE

NOTES

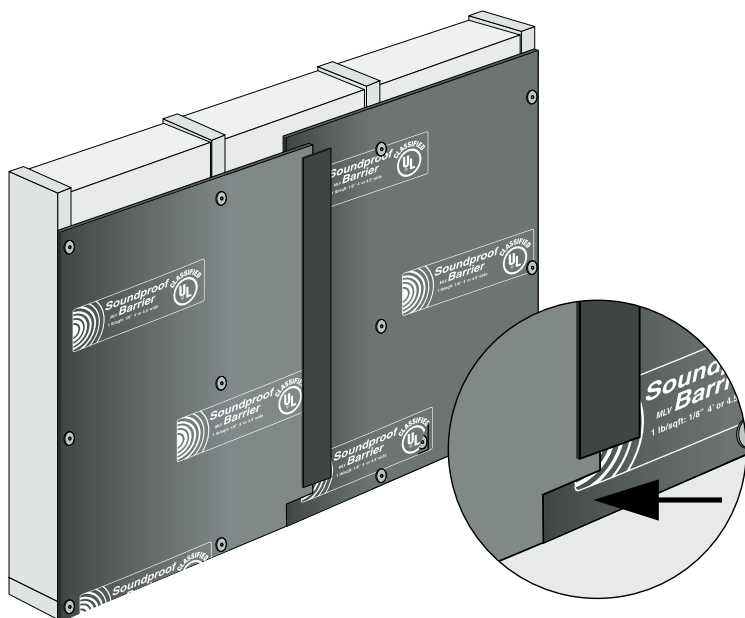
- It is very important to attach barrier to studs before the drywall is attached. Do not use barrier over existing walls.
- Using fiberglass insulation is recommended, at least ½ cavity depth
- Cut material off rolls only as needed.
- Vertical seams will occur either on face of stud tightly butted, or 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 must be sealed with acoustical sealant, not ordinary caulk!



Measure the height of the wall

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.



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 bottom plate, 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 Buttoncaps along seam to allow the finished drywall to lay flat.

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.

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

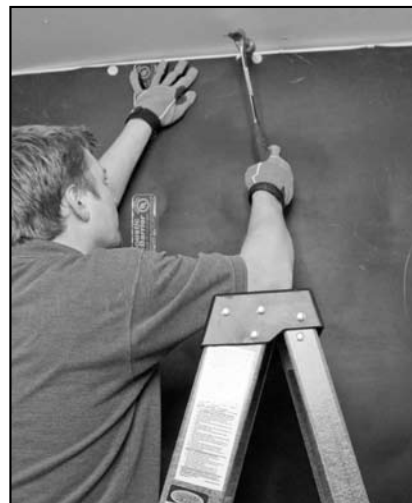
Note: It is very important to avoid a rigid connection at the perimeter of the soundproofed wall/ceiling when intersecting with a non soundproofed surface such as floor, other wall, or the ceiling

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.



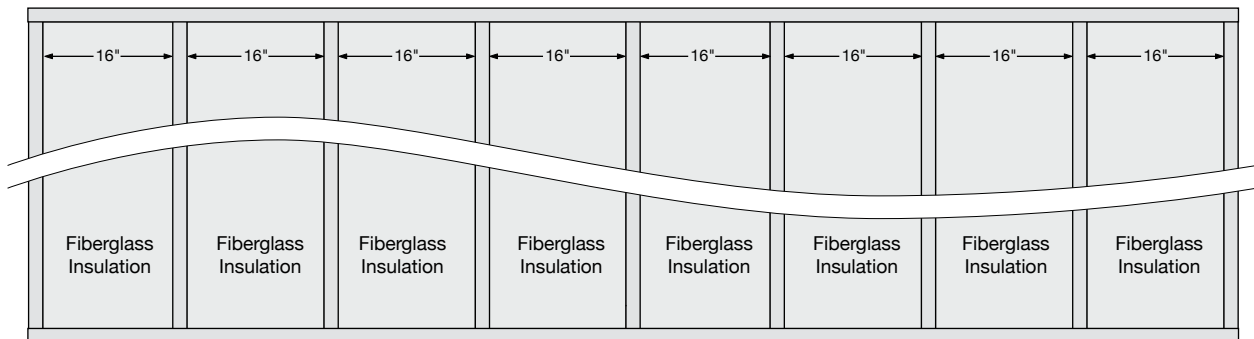
Cut Barrier to the appropriate length.



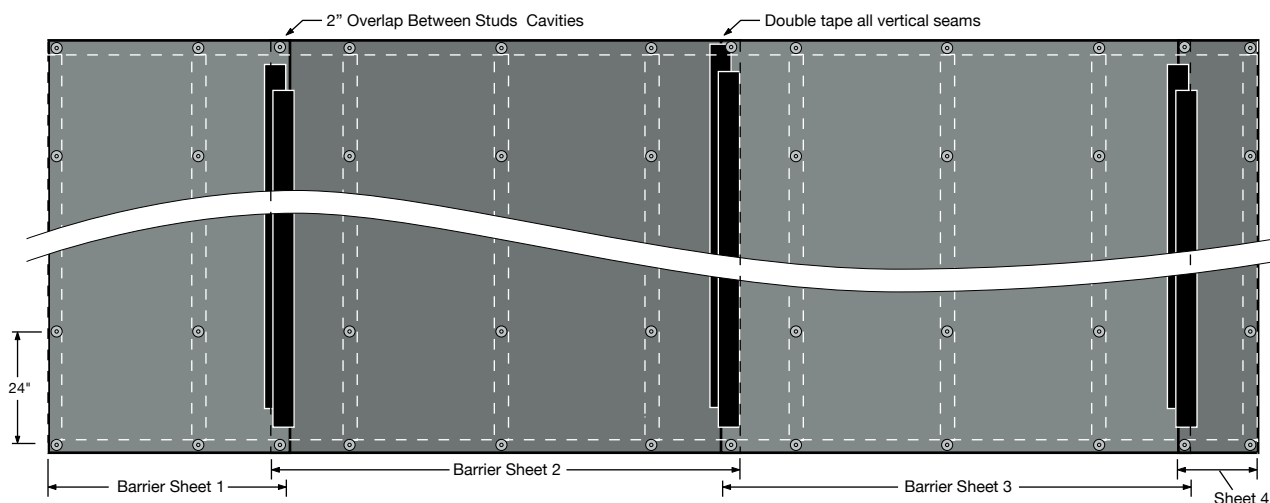
Fastener the barrier in 5 spot at top of roll.



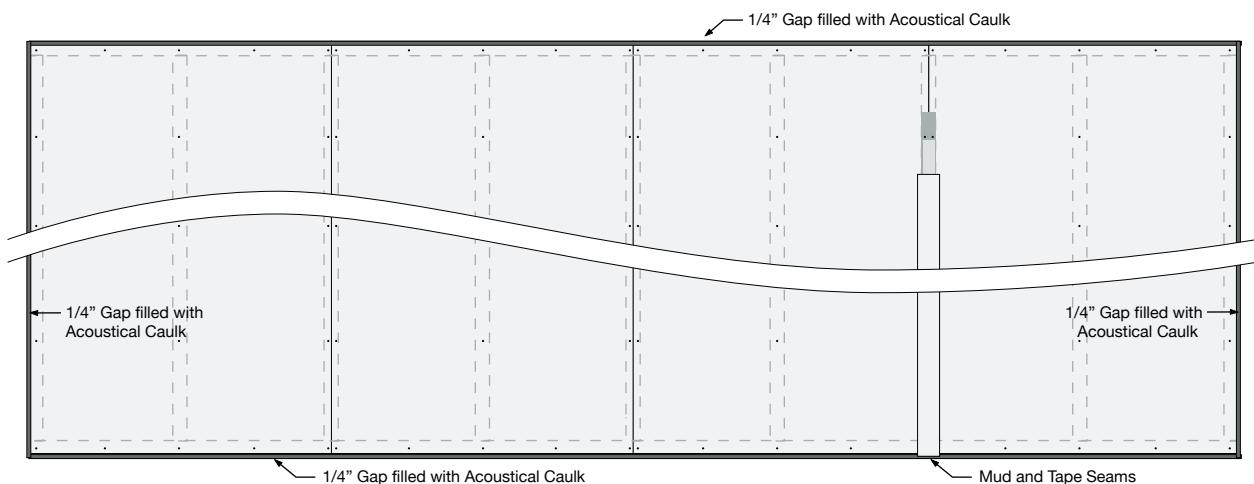
Tape vertical seams with foil or vinyl tape.



For higher STC performance install standard R13 or R19 fiberglass insulation in-between studs.



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.

SOUND [ISOLATION] COMPANY

2900 Westinghouse Blvd. Suite 106 ■ Charlotte, NC 28273

Toll Free (888) 666-5090 ■ Fax (704) 504-1115 ■ www.soundisolationcompany.com



UL Online Certifications

Directory CLBV.R25047

Wall and Partition Facings and Accessories

Wall and Partition Facings and Accessories

See General Information for Wall and Partition Facings and Accessories

Type Soundproof 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 barrier applied to one side of wood or steel studs between stud and gypsum board per manufacturer's recommendations. When installed, the Soundproof Barrier flex at midspan between the studs shall be max. 1 in. from the back of the gypsum board. Gypsum board layer(s) installed over Soundproof Barrier 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.

Last Updated on 2006-01-09

Copyright © 2006 Underwriters Laboratories Inc.®

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.

1. UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings).
2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2006 Underwriters Laboratories Inc.®"

Soundproofing Made Simple®

2900 WESTING HOUSE BLVD SUITE 106
CHARLOTTE, NC 28273
704 / 504 / 1127 PH
704 / 504 / 1115 FX
888 / 666 / 5090 TOLL FREE
WWW.SOUNDISOLATIONCOMPANY.COM

Material Safety Data Sheet

Soundproof Barrier

Date Prepared: 12/28/07
Emergency Phone: Chemtel-800-255-3924
Information Phone: (888) 666-5090

SECTION 1 – Product Identification and Company Information

Name: Soundproof Barrier
Generic Description: Mass Loaded Vinyl
Physical Form: Mass Loaded Vinyl Sheet in .5 - 2lb. density
Color: Black
Odor: n/a

Section 2 – Hazardous Information

Identifiable Components: CAS # ACGIHTWA* ACGIH BEI
None: Smooth vinyl sheet products are not considered to be “toxic or hazardous substances”. Under normal conditions of use, these products do not release, or otherwise result in exposure to a hazardous chemical.

Section 3 – Physical / Chemical Characteristics

Boiling Point:	n/a	Vapor Pressure: (mm Hg)	n/a
Softening Point:	275°F	Specific Gravity: (H2O=1)	1.70
Solubility in Water:	n/a	Vapor Density: (Air=1)	n/a
Appearance and Odor:	Solid / No Odor	Evaporation Rate: (Butyl Acetate=1)	n/a

Section 4 – Fire and Explosion Hazard Data

Flash Point: Will not burn
Flammable Limits: n/a LEL: n/a UEL: n/a
Extinguishing Media: Water/CO2
Special Fire Fighting Procedures: Standard procedures with self-contained air breathing apparatus.
Unusual Fire and Explosion Hazards: None
NPA 704M Hazard Codes (HMIS): Health: 0 Fire: 0
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) Reactivity: 0 Unusual Hazards: 0

Section 5 - Reactivity Data

Stability: Stable
Incompatibility (Materials to Avoid): Direct exposure to flame
Hazardous decomposition or by-products: Hydrogen chloride gas generated at 120-150° C
Hazardous Polymerization: Will not occur
Conditions to Avoid: None known

Section 6 – Health Hazard Data

Route(s) of Entry:	Inhalation: Yes (as dust)	Skin: n/a	Ingestion: Yes	Injection: n/a
Health Hazards (Acute and Chronic):	n/a			
Carcinogenicity:	Not a carcinogen			
Signs and Symptoms of Exposure:	See Health Hazards above			
Medical Conditions Generally				
Aggravated by Exposure:	n/a			
Emergency and First Aid Procedures	n/a			

Section 7 – Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:	n/a
Waste Disposal Method:	Landfill in compliance with local regulations
Precautions to be taken in handling/storing:	n/a
Other Precautions:	None

Section 8 – Control Measures

Respiratory Protection:	n/a
Ventilation:	n/a
Local Exhaust:	n/a
Mechanical (General):	n/a
Special	n/a
Other	n/a
Protective Gloves:	n/a
Other Protective Clothing or Equipment:	None Required
Work / Hygienic Practices:	Unnecessary

Section 9 - International Regulations

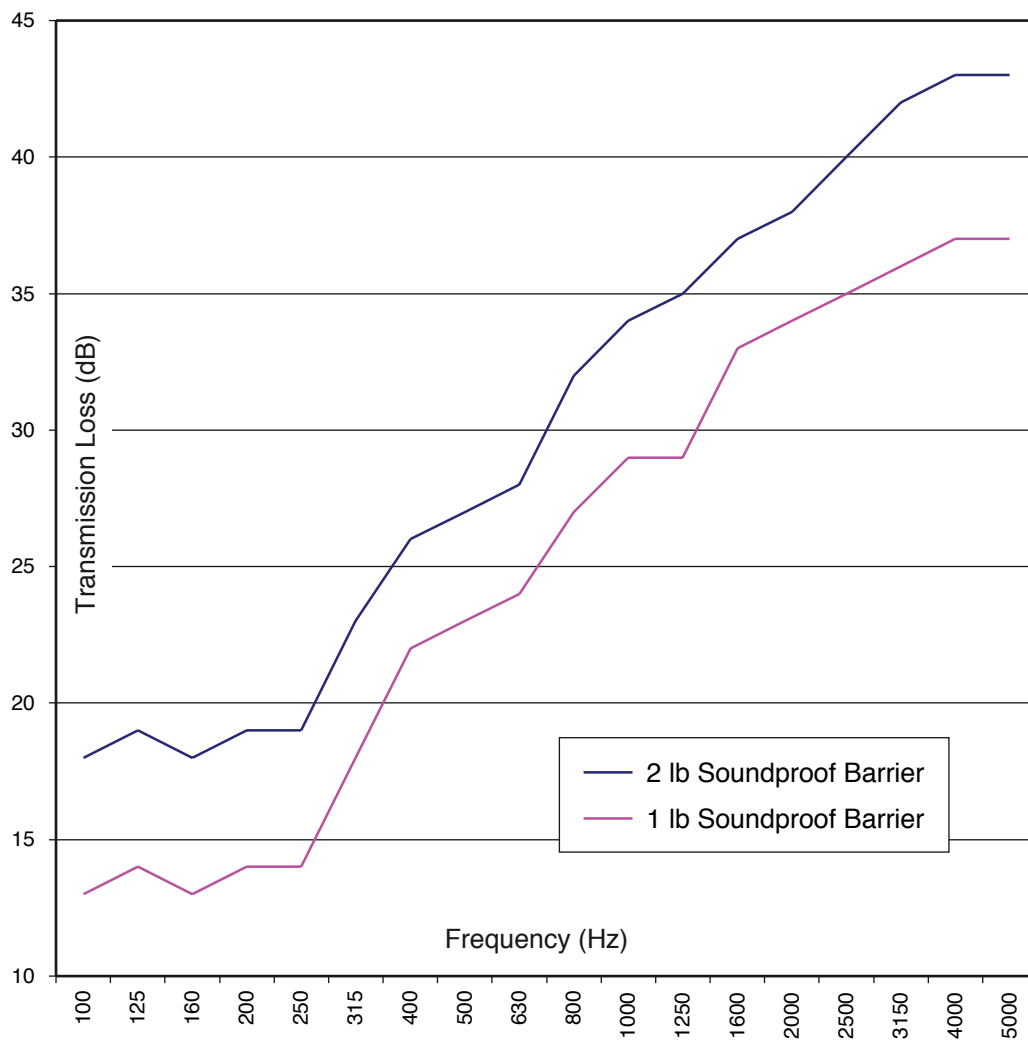
Canadian Domestic Substance List: Great Lakes Textiles Vinaflex Sheet and some of its component parts are listed on the Domestic Substance List.

Section 10 – Disclaimer

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end users responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.

Transmission Loss Plot

Soundproofing Acoustic Barrier (Mass Loaded Vinyl)



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

Soundproofing Made Simple®

2900 WESTING HOUSE BLVD SUITE 106
CHARLOTTE, NC 28273
704 / 504 / 1127 PH
704 / 504 / 1115 FX
888 / 666 / 5090 TOLL FREE
WWW.SOUNDISOLATIONCOMPANY.COM

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

Approved for use in
wall, floor and ceiling

UL assemblies; a
requirement for all
commercial construction.

