

Vinyl Sound Barrier - Mass Loaded Vinyl Barrier, MLV

Vinyl Sound Barrier - This high density thin, weighted Soundproofing barrier, constructed of non-reinforced high temperature fused vinyl with no lead fillers. Noise control barriers are loaded vinyl barriers that combine mass, flexibility, and limpness to block noise from transmitting from one area to another.

Vinyl Sound Barrier are available in clear, non-reinforced, and reinforced in a variety of weights and styles to meet a multitude of applications.

Non-reinforced vinyl noise barriers are most commonly used to reduce sound transmission between wall and ceiling partitions. They work by adding additional mass as well as diaphragmatic absorption thus increasing the Sound Transmission Class (STC) of the partition. Non-reinforced vinyl noise barriers are also used as the blocking component in barrier septum composites, pipe and duct lagging, and short-term barrier walls.



Reinforced vinyl noise barriers are typically used in applications requiring high tensile, breaking, and tear strength, as well as excellent UV and weather resistance such as in long term exterior sound walls. Reinforced vinyl noise barrier is also used as the blocking component in barrier backed composites. When used in conjunction with a quilted fiberglass absorber, STC ratings of up to 32 can be achieved.

Specialty vinyl noise barriers include a marine barrier which is a 1PSF barrier material with a woven fiberglass cloth facing.

Weighs one pound per square foot and is 1/8" thick. Apply to block transmission of sound through walls, floors, and ceilings. Also effective as a pipe and duct wrap to dampen vibrations and reduce noise. Also available in a reinforced version designed to sustain its own vertical weight for suspension.

Ceiling Barrier Tiles with Soundproofing Vinyl Sound Barrier: We carry a ceiling tile barrier tile with 1" fiberglass & 1-pound scrim faced Vinyl Sound Barrier material. Call our specialist for details or www.allnoisecontrol.com/diagrams/CeilingBarrierTile_Diagram.pdf

Vinyl Sound Barrier Details: Acoustical Vinyl Noise Barrier NRC Ratings

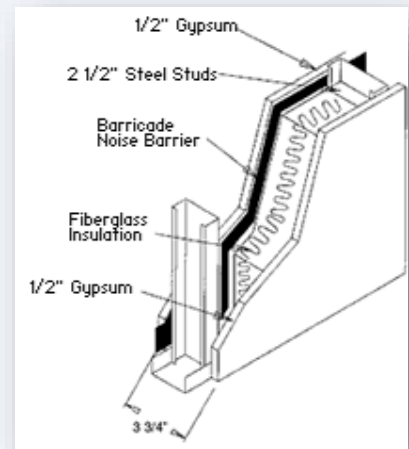
Package/Roll:	54"x 30' AND 54" x 60' rolls (please specify when quoting)
Weight/Sq.Ft.	1 lb And 2lb Available
Tensile (Psi)	762
Gauge (inches)	108"
Elongation (%)	200%
Die "C" Tear (#/In.)	114
200 Deg. F/7 Days	No deformation: <1% Shrink
Elongation (%)	200%
Mil Std. 6411 Burn Test	9 (Pass)
MVS 302 Burn Test	Pass: Self Extinguished
STC	27 (1lb) & 32 (2lb)

Soundproofing Barricade Noise Barrier Availability

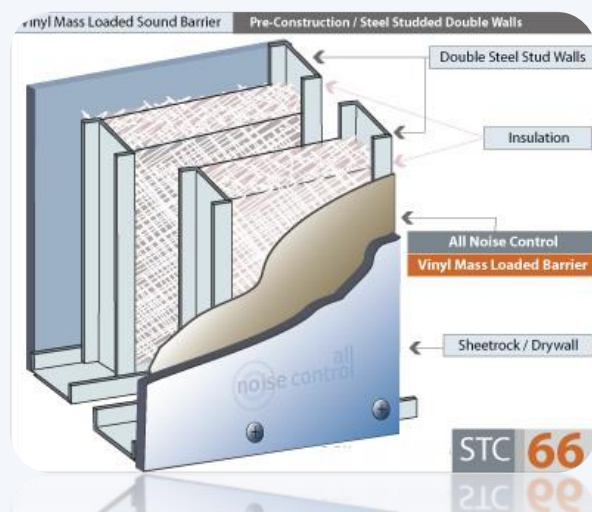
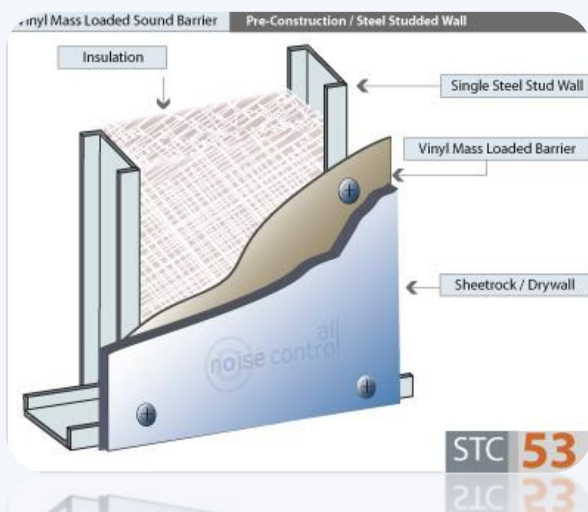
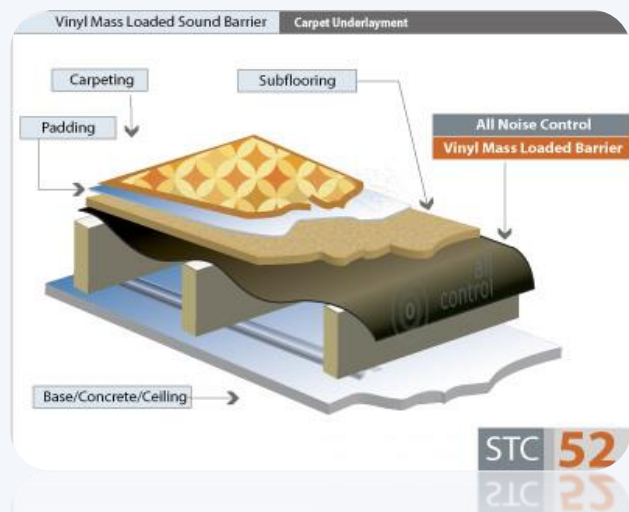
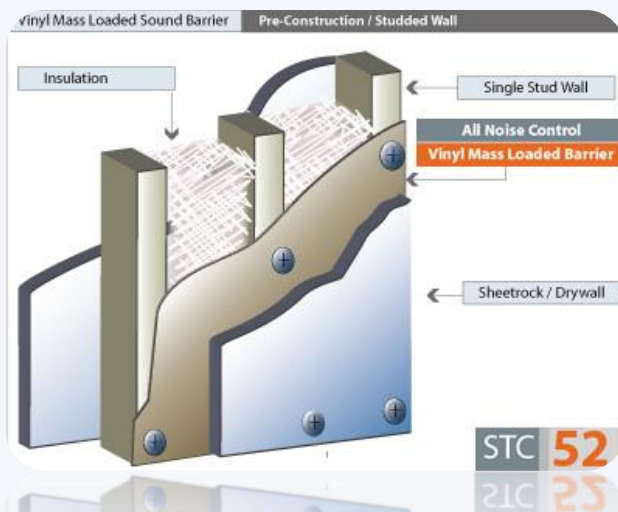
Barricade Noise Barrier - Vinyl Sound Barrier products are available in 54" x 60' long, 270 sq ft. per roll, with custom lengths available. Call us today to discuss at 1-561-964-9360.

Vinyl Sound Noise Barrier Installation Instructions

First ask us about using a staggered stud or floating wall approach to your construction if possible. Then apply the Vinyl Sound Barrier between the studs and sheet rock. Do not glue this directly to a wall for free standing. Its weight will require the reinforcement of another layer of wall surface to be screwed or nailed over it. Use staples or screws to temporarily hold it up until you get your next wall surface applied. Also a good product for laying on top of your ceiling tiles to "cap" the room with a sound barrier material.



Vinyl Sound Barrier Cross Section:



Mass Loaded Vinyl Sound Barrier

ITEM#	THICKNESS	SIZE	DENSITY	FREQUENCY (Hz)	125	250	500	1K	2K	4K	STC
					▼	▼	▼	▼	▼	▼	▼
VB-60	1/8"	54" x 30'	1.0 lb/sf (4.88 kg/m2)		14	19	27	29	34	40	27
VB-62	1/4"	54" x 30'	2.0 lb/sf (9.76 kg/m2)		19	19	27	34	38	43	34

FIRE RATINGS

Flammability: UL 94 HF1 Meets 1MVSS 302

(Other sizes available on VB-60 and VB-62. Please call 561-964-9360 for options.)

What is MLV?

Mass Loaded Vinyl (MLV) is a safe, non-toxic noise barrier designed to hang as a limp mass in a variety of soundproofing applications.



What is a soundproofing barrier?

Noise barrier or **sound barrier** products add mass to a wall, ceiling, floor, or enclosure serving as a highly effective soundproofing solution - at an affordable price. **Soundproofing barriers** are typically installed directly on the studs or joists to reduce noise transmission between the source of the sound and the destination.

What is STC?

Sound Transmission Class (STC) is a rating assigned to a material or an assembly of materials representing the transmission loss or reduction in sound between the source and the target. A standardized test, performed in an acoustics lab, measures the transmission loss between a Sound Source and a room. Measurements are taken over a range of 6 different frequencies ranging between 125Hz and 4000Hz. This frequency band covers the speech range.

