Non-reinforced vinyl noise barriers – ANC-VB60

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.

The most effective noise control barriers combine the properties of both blocking and absorption. Barrier Septum Composites consist of a 1 lb. non-reinforced noise barrier sandwiched between two layers of 1" thick acoustical fiberglass.

A variety of facings are available including our standard industrial grade vinyl facing, an economy scrim facing, and a silicone facing for high temperature or outdoor applications.

Barrier Septum Composites are available in bound or unbound rolls as well as custom panels. Custom curtain panels can be fabricated with grommets and mating hook and loop Velcro seals

- Use as a divider wall when separating two noisy areas that require absorption.
- Use to line the perimeter of a building
- Use anywhere a decoupler/barrier /absorber is required.
- Fire safe and low smoke emissions per ASTM E-84, Class 1
- Vinyl facings are available in white, tan, black, or gray
- Diamond stitch pattern for superior performance

VINYL BARRIER ANC-VB60

This high density thin, weighted barrier, constructed of non-reinforced high temperature fused vinyl with no lead filters. 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 damper vibrations and reduce noise. Also available in a reinforced version designed to sustain its own vertical weight for suspension.

Package/Roll:	54"x 30' AND 54" x 60' rolls (please specify when quoting)
Weight/Sq.Ft.	1 lb
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)

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.

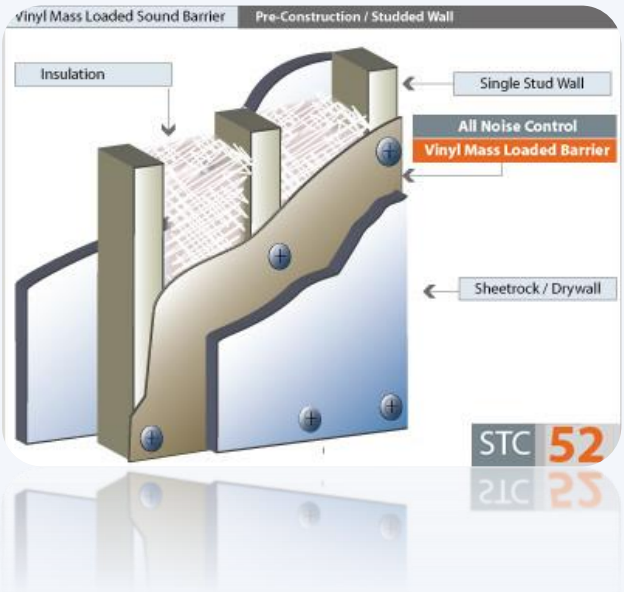
ITEM#	THICKNESS	SIZE	DENSITY	FREQUENCY (Hz)	125	250	500	1K	2K	4K	STC
VB-60	1/8"	54" x 30'1.0 lb/sf (9.76 kg/m2)			14	19	27	34	34	40	27

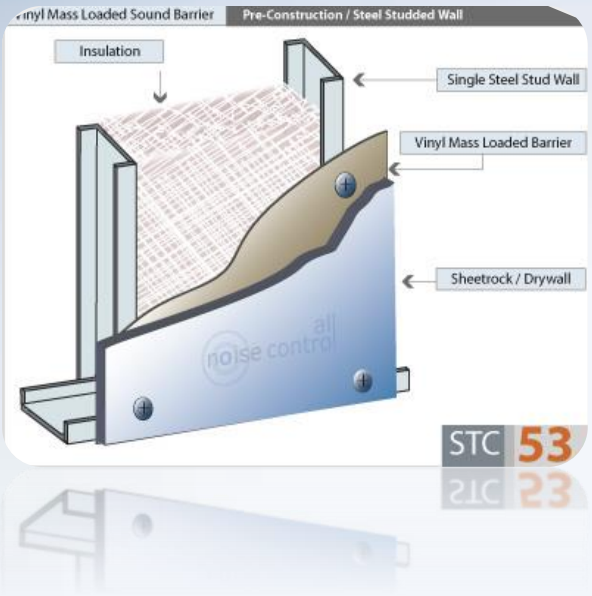
Flammability: UL 94 HF1 Meets 1MVSS 302
(Other sizes available on VB-60 and VB-62. Please call 561-964-9360 for options.)

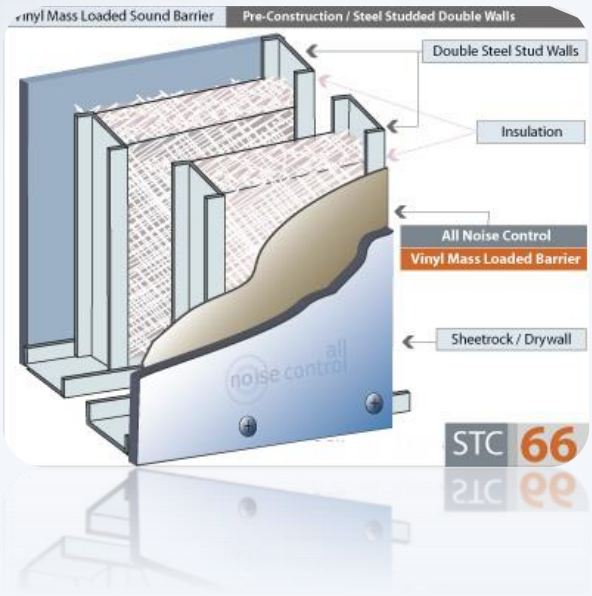
Vinyl Sound - Barricade Noise Barrier Installation Instructions

First ask us about using a staggered stud or floating wall approach to your construction if possible. The apply the Vinyl Sound Barrier between the studs and sheet rock. Do not glue this directly to a wall for free standing. It;s weight will require the reinforcement of another layer of wall surface to be screwed or nailed over it. Us staples of 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.