



# soundsulate™



## Mass Loaded Vinyl

Soundsulate™ Mass Loaded Vinyl is a flexible sound barrier that offers exceptional sound noise reduction by blocking the passage of sound waves and reducing the transmission of airborne noise. MLV is typically attached to joists or studs, followed by covering seams and joints with acoustic caulking or barrier tape. It can also be used to wrap plastic plumbing pipes, steel columns, metal ducts and just about anything else to minimize noise transmission. MLV is perfect to block out everyday noises, from traffic, trains, neighbors, work spaces, condos, loud television's, music and much more. It is the cost-effective solution to a wide variety of sound issues. As a DIY soundproofing material, MLV is one of the best soundproofing options available today. Flexible and easy to cut, Soundsulate™ MLV is non-toxic and is available in various thicknesses and lengths.

### Typical Physical Properties

	1 lb	21b
<b>Weight</b>	1 lb./sq. ft.	1 lb./sq. ft.
<b>Tensile Strength</b>	300 PSI	275 PSI
<b>Tear Strength</b>	70 PSI	99 PSI
<b>Thickness</b>	.10 in	.20 in
<b>Elongation</b>	110%	110%
<b>Flammability</b>	class 1 per ASTM E 84 Rev. A, behind minimum 3/8" drywall	
<b>Temperature Range</b>	-40° F to 780° F	-40° F to 180° F
<b>Cold Crack</b>	100% p	100% p

### Acoustical Properties

Soundsulate® type Noise Barrier provides the following noise reduction

Noise transmission loss (dB)/Frequency (Hz)

Hz	125	250	500	1000	2000	4000	STC
<b>dB by density:</b>							
S-1/2 lb	8	13	17	22	27	31	20
S-1 lb	16	17	22	27	31	36	26
S-1-1/2 lb	17	19	25	31	36	44	29
S-2 lb	19	23	27	32	37	42	32



### STANDARD ROLL SIZE BY DENSITY:

Soundsulate®M®	Density	Roll Size
5-50	(½ lb./sq. ft.)	48"x 50'
5-100	(1 lb./sq. ft.)	48"x 25'
5-100	(1 lb./sq. ft.)	48"x 50'
5-100	(1 lb./sq. ft.)	54"x 30'
5-100	(1 lb./sq. ft.)	54"x 60'
5-150	(1 ½ lb./sq. ft.)	48"x 25'
5-200	(2 lb./sq. ft.)	48"x 25'

### BULK ROLL SIZES AVAILABLE

50	(½ lb./sq. ft.)	48"x 505'
100	(1 lb./sq. ft.)	48"x 255'
100	(1 lb./sq. ft.)	54"x 245'
150	(1 ½ lb./sq. ft.)	48"x 130'
200	(2 lb./sq. ft.)	48"x 130'

The reduction of airborne noise and mass properties exhibited by Soundsulate™ MLV are attained without the use of hazardous lead or heavy metals.

For best performance, please refer to our detailed installation instruction guide.

