

Mass Loaded Vinyl Sound Barrier

MetroFlex Mass Loaded Vinyl Sound Barrier is a flexible high temperature fused vinyl that resists the passage of sound waves and reduces the transmission of airborne noise. MetroFlex MLV is an extremely dense product that is only 1/8" thick while weighing 1 lb. per square foot. (*properties of MF-10)

MetroFlex Mass Loaded Vinyl Sound Barrier is most commonly used to add mass and sound damping to building structures including walls, ceilings, and floors. Other applications include fences, on machinery/ equipment, household appliances, drain pipes, doors, and over windows. MetroFlex MLV can be applied to almost any situation where unwanted noise needs to be kept out of an area. MetroFlex MLV is fastened to walls and ceilings with MetroFlex MLV Nails with all joints being sealed with MetroFlex SoundSealR Acoustical Sealant and MetroFlex MLV SealR Tape.

Acoustical Properties*

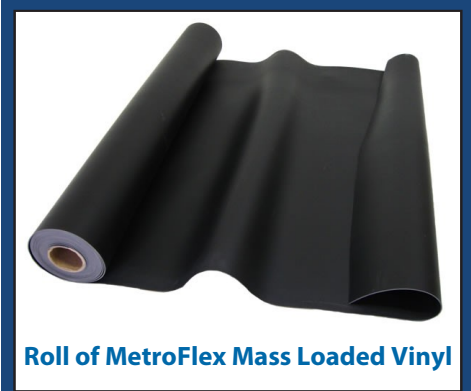
MetroFlex Sound Barrier provides the following noise reduction.

Noise transmission loss (dB)/Frequency (Hz)

Hz	125	250	500	1000	2000	4000	STC
db by density:							
MF-05	8	13	17	22	27	31	20
MF-10	16	17	22	27	31	36	26
MF-15	17	19	25	31	36	44	29
MF-20	16	22	26	32	35	40	31

Typical Physical Properties for MF-10:

Weight	1 lb./sq. ft.
Tensile Strength	2,750 KPa (400 psi)
Tear Strength	12.5 Kg/cm (70 lbs./in.)
Thickness	.100"
Ultimate Elongation	200%
Flammability	SE "O" in/min.
Temperature Range	-40°F to 180°F



Roll of MetroFlex Mass Loaded Vinyl

Standard roll size by density:

MF-05	(1/2 lb/sq.ft.) - 48" x 50'
MF-10	(1 lb/sq.ft.) - 48" x 50'
MF-15	(1 1/2 lb/sq.ft.) - 48" x 25'
MF-20	(2 lb/sq.ft.) - 48" x 25'



- The Mass of a Partition is the Major Factor in it's Ability to Block Sound -