



SoundBlanket

Intense Soundproofing Membrane
Wall | Ceiling | Floor





Fitness First • New Delhi • India

SoundBlanket

Concealed noise barrier for high dB sounds



Sardar Patel Stadium • Ahmedabad • India

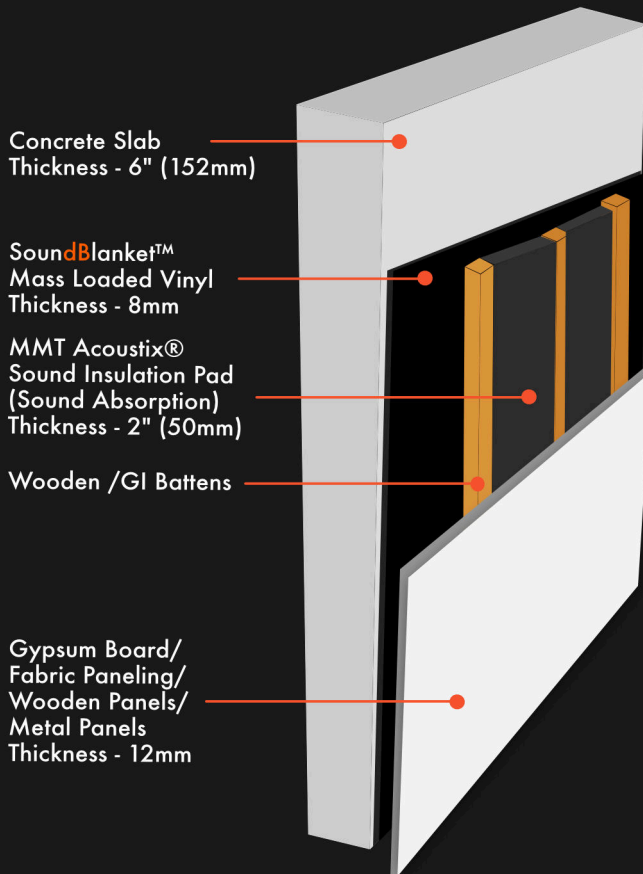
SoundBlanket Advantages

- **THE ORIGINAL** - SoundBlanket is the original, most specified noise barrier membrane system available globally
- **SEAMLESS, FLAT, CURVED, DOMED AND VAULTED SURFACES** - Easily concealed in any kind of complex surfaces to isolate sound
- **HIGHEST SOUND ISOLATION** - SoundBlanket has a STC upto 70 dB, making it the most sound blocking product in the market. Best for bass and sound control in multiplexes, auditoriums, studios, gyms, shopping malls, banquet halls, hotels etc.
- **FIT & THIN** - SoundBlanket blocks sound and low frequency in thickness as low as 2.5mm
- **DURABLE** - SoundBlanket is a fine mix of rubber, calcium and barium, making it durable to withstand any type conditions.
- **HIGH DENSITY** - Unlike other products in the market, SoundBlanket has a density of 2100 kg/m³, better than any wool sound isolators.
- **FIRE RATED**- SoundBlanket is Class A fire rated.
- **HUMID RESISTANT** - This noise barrier works greatly in all extreme conditions and weather.
- **EASY APPLICATION** - All local carpenters and civil workers can install the membrane easily on walls, floors and ceiling using heavy duty nails and SR adhesive.
- **CONCEALED FOR EVERY FINISH** - Sound barrier can be covered by walls, fabric, acoustic panels, boards etc to give the required finish.
- **IN STOCK AND READY FOR DELIVERY** - Supply capacity of more than 4000 Tons a month with swift deliveries.
- **MADE IN INDIA** - Highest quality sound barrier proudly made in India



Sound Reduction upto 65 dB

SoundBlanket™ Wall Soundproofing System

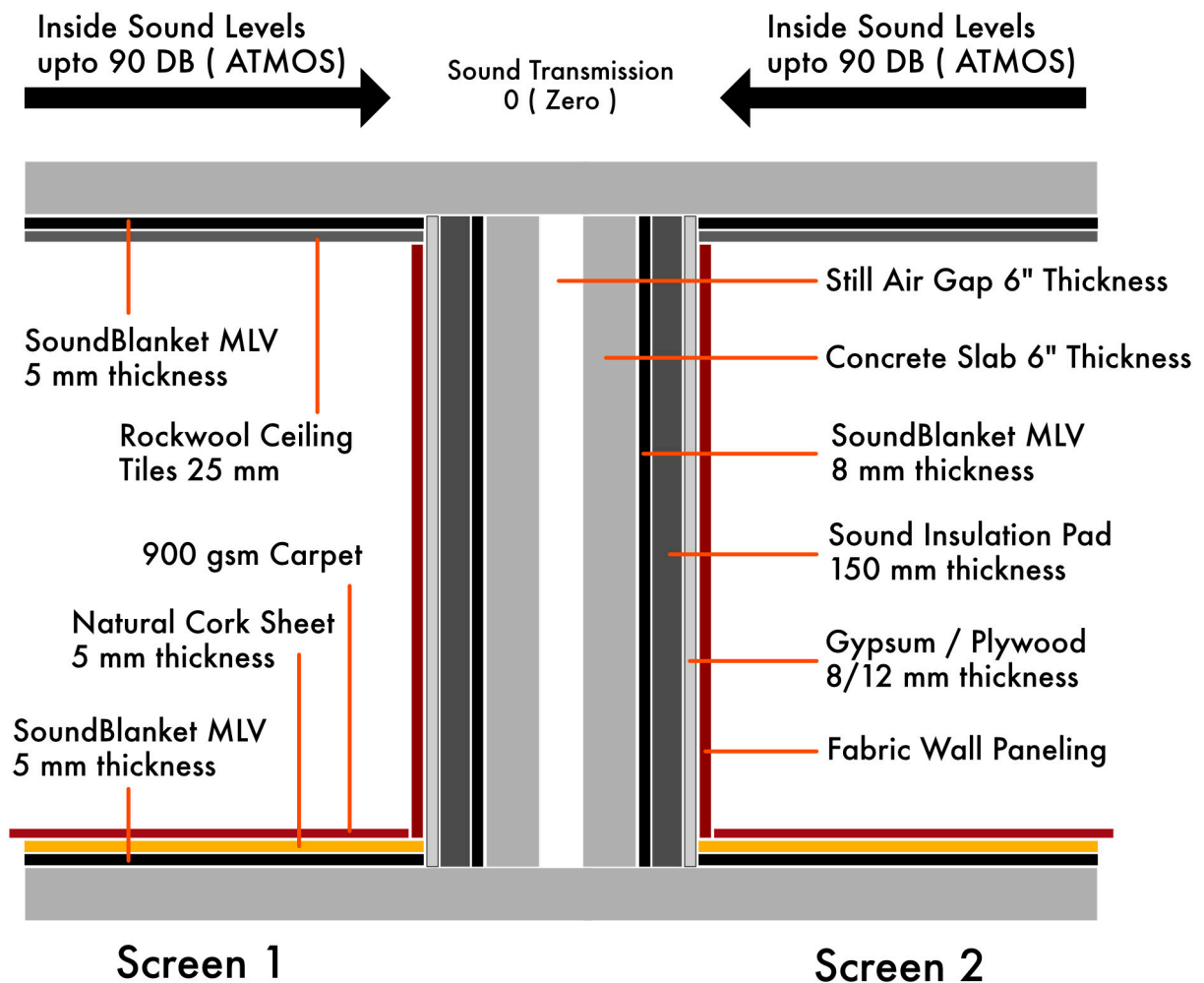


SoundBlanket™ noise barrier technology is mandatory in projects with high transferable low frequencies known as bass and fluctuating levels of volumes. A combination of MMT Acoustix® noise barrier, sound absorbers and covering material will give best sound blocking, vibration control and inside acoustics

Cineplex • Auditorium • Hotels
Home Theatre • Shopping Malls
Stadium • Recording Studio • Gym
Nightclubs • Banquets • Cafe
Villas • Residence • Office



Cineplex Soundproofing Process



- **Air Gap** : Basic way of decoupling the rooms. This helps in shortening the sound wavelengths , making it easier to absorb or isolate them.
- **SoundBlanket** : High density MLV noise barrier isolated low frequency sounds which are very high and common in entertainment industry. The $STC > 38$ in 8mm thickness. This is installed on walls, ceiling and floor
- **Sound Insulation Pads** : A premium, non carcinogenic sound absorber made from FR polyurethane foam. Its $NRC > 1.10$ which absorbs maximum sounds which hits its surface.
- **Gypsum & Fabric Wall Paneling** : This allows to conceal soundproofing products and give a surface for proper fabric wall paneling as designed by the interior companies.
- **Natural Cork** : Due to its high vibration control properties its best suited for application as floor underlay and is applied just beneath the 900 gsm carpet.

MMT Acoustix® SoundBlanket : Mass Loaded Vinyl is a super density MLV membrane produced with an engineered mixture of 5 types of rubbers and resins. The membrane comes in a roll form and can be easily installed on floors, walls and ceilings as a primary layer for sound isolation. The sound is unable to pass through the super density surface of the product and provides required soundproofing. It can be easily installed with nails and adhesives. The products is sold in rolls. Each roll is 12 sqm (10000 x 1200 mm) / 128 sqft (32 x 4 ft) with a straightness ≤ 20 mm/10 m. SoundBlanket™ noise barrier easily blocks low frequency sound waves commonly known as bass vibrations produced from music systems. For optimum results the sound blocking membrane should be installed between two layers

PRODUCT SPECIFICATION

Size :	4 x 32.5 Feet (12 sqm)
Thickness :	3 / 5 / 8 / 10 / 12 mm
Colour :	Black
Flammability :	Thermal Resistant (-30° C to 100° C)
Material :	Mass Loaded Vinyl
Weight :	> 60 kgs ++
STC :	> 36 DB ++
Application Area :	Walls, Floor, Ceiling



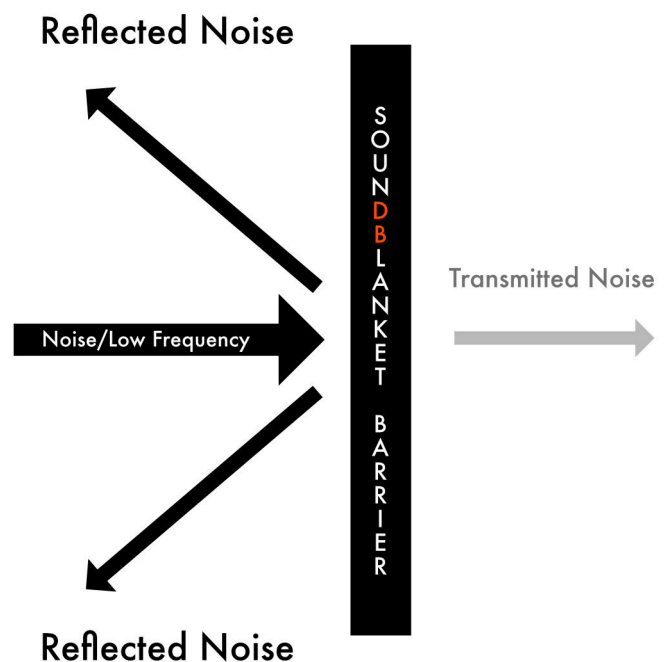
PRODUCT PROPERTIES

- Isolates and blocks the sound
- Can be applied on walls, ceiling and floor
- Comes in roll, easy to install
- Blocks vibrations
- Control high, medium and low frequencies
- High Density > 2100 kg/m³
- Takes minimum space due to low thickness
- Water resistant and fire resistant
- Anti - Microbial
- Can be easily covered with Carpets, Wooden Flooring, gypsum or cement

APPLICATION REFERENCE

- Residence - To avoid furniture movement and footstep vibrations
- Studios, Cineplexes, Home Theatres, Gyms & Auditorium walls and floors.
- Hotels and shopping complex
- Discotheques, nightclubs and bars

• SoundBlanket® Noise Barrier



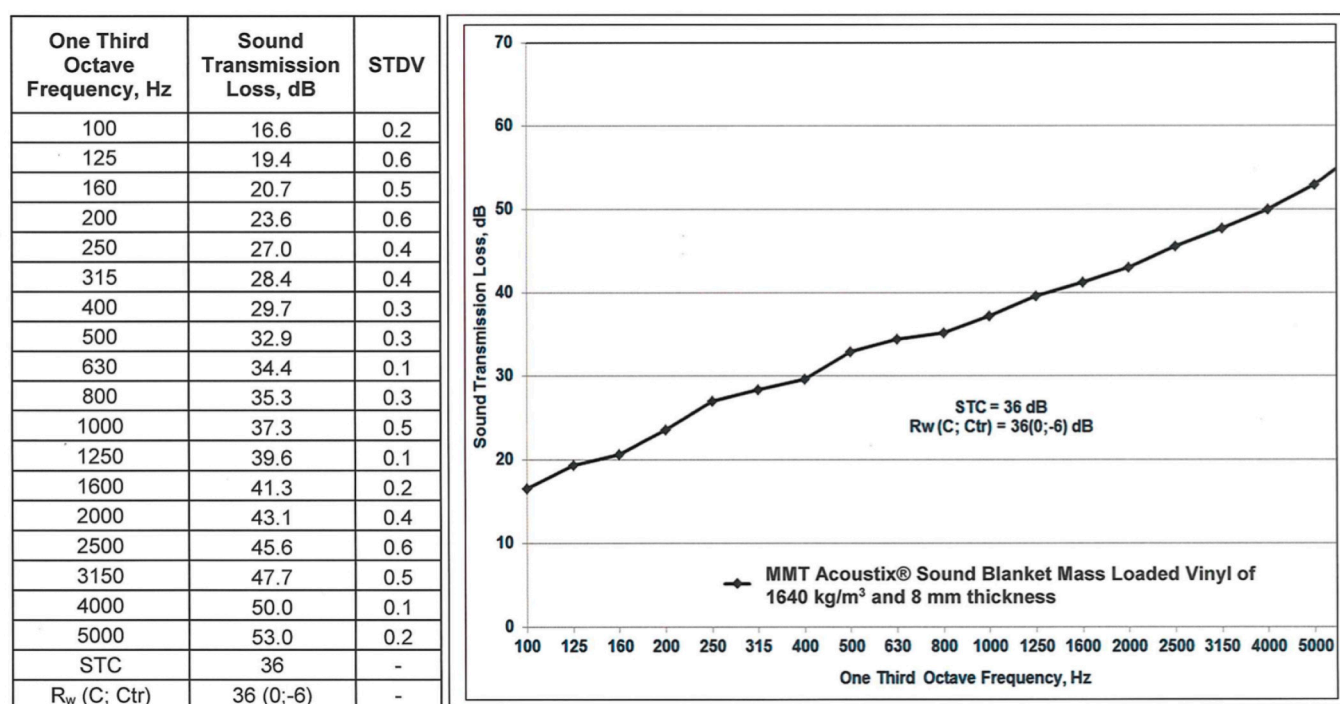
Product Specification				
Product	Thickness	Roll Size	STC (ASTM E-413)	Weight
SoundBlanket	3mm	1.2 x 10m / 32 x 4 Ft	27	60 Kg
SoundBlanket	5mm	1.2 x 10m / 32 x 4 Ft	32	100 Kg
SoundBlanket	8mm	1.2 x 10m / 32 x 4 Ft	36	160 Kg
SoundBlanket	10mm	1.2 x 10m / 32 x 4 Ft	40	197 Kg
SoundBlanket	12mm	1.2 x 10m / 32 x 4 Ft	45	236 Kg

Composition/Information on Ingredients

Ingredients	CAS
Vinyl	9002-86-2
Calcium Carbonate	471-34-1
Natural Rubber	9006-04-6
Barium Sulphate	7727-43-7

STC Test at Different Frequencies

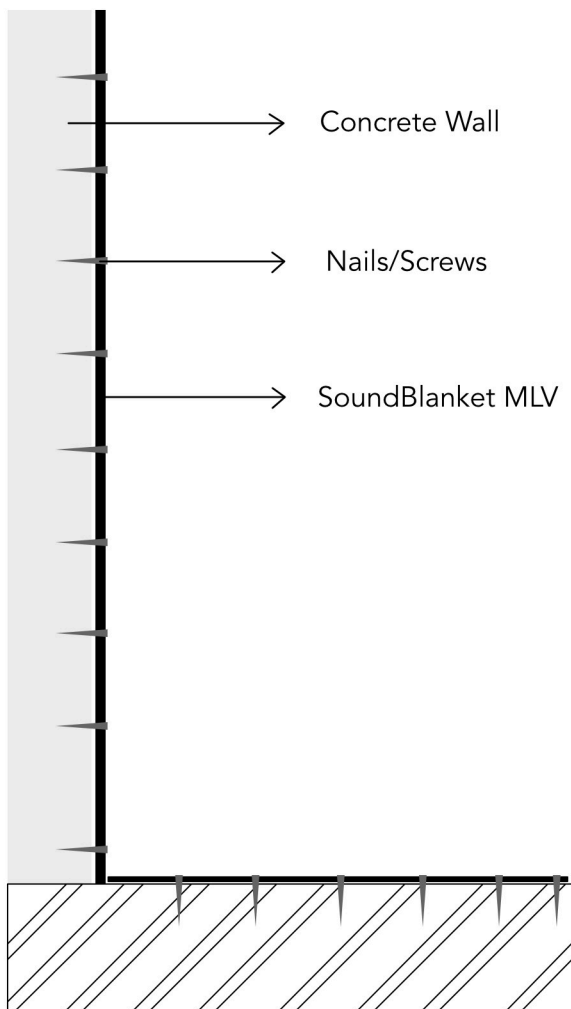
Table 1 and Figure 2: Values and plot for Sound Transmission Loss of MMT Acoustix® Sound Blanket Mass Loaded Vinyl of 1640 kg/m³ and 8 mm thickness at one third octave frequencies



SoundBlanket Mass Loaded Vinyl blocks high frequency sounds very easily and works great with low frequency sounds as well.



Wall Section



Installation Technique

SoundBlanket Mass Loaded Vinyl can be easily mounted on any surface using screws, nails and synthetic rubber adhesives.

Walls

SoundBlanket can be cut into manageable pieces of 1x1 meter to apply them easily on walls directly. They are also cut as per the insulation framework to fit the GI network in high soundproofing areas.

Ceiling

It is advised to use the SoundBlanket MLV on the concrete ceiling and not on any kind of suspension system due to its heavy weight. Similar to walls it can be cut and applied to cover 100% ceiling area, add mass and block all sound

Floor

SoundBlanket MLV comes in roll form and can easily spread on floors hassle free. It's flexible property allows it to turn and fold at steps and elevations.



Technical Specifications

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.5	DIN 53508	1.5
HARDNESS	ASTM D2240	70± 5 Sh A	DIN 53505	70 ± 5 Sh A
TENSILE STRENGTH(min)	ASTM D412	600PSI	DIN 53504	40kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	225 %	DIN 53504	225 %
COMPRESSION SET (70°C/ 24 HRS/ 25% SET) (max)	ASTM D395 METHOD B	35%	DIN 53517	35%
TEAR RESISTANCE (Angular) min	ASTM D624	85 Lbs/ Inch	DIN 53515	15 Kg/cm
CHANGE IN PROPERTIESHEAT AGING (72 hrs AT 70° C)	ASTM D390			38
	ASTM D573			
---HARDNESS (Pts)		+5(Max)		+5 (Max)
---TENSILE STRENGTH (%)		+10/-25		+10/-25
---ELONGATION AT BREAK (%)		+10/-30		+10/-30
VOLUME SWELL : AT 70°C FOR 72 HRS/ IN	ASTM D471			
ASTM OIL NO. 1		+2%		+2%
ASTM OIL NO. 2		+12%		+12%
ASTM OIL NO. 3		+35%		+35%
POLYMER CONTENT (Chloroprene)		30%		30%
CHEMICAL RESISTANCE				
---OZONE	ASTM D1149	FAIR		FAIR
---DILUTE ACIDSAND BASES		GOOD		GOOD
---CONCENTRATED ACIDSAND BASES		NOT RECOMMENDED		NOT RECOMMENDED
---OILS		FAIR		FAIR
---SOLVENTS		FAIR		FAIR
TEMPRATURE RANGE		-30°C to +100°C		-30°C to +100°C
COLOUR		BLACK		BLACK



Dusit Thani, Manesar

We Solved Their Noise Problem

Cinema Soundproofing & Acoustics



Hotels & Resorts



Schools & Institutes



Government Institutions



Offices & Corporates





A SMARTER WAY OF SOUNDPROOFING

www.mmtacoustix.in

We at MMT Acoustix® believes in high quality acoustic and soundproofing products for all kinds of industries. With over 2 decade of experience in the industry, strict quality control, R&D, manufacturing, testing and logistics, we deliver acoustics products globally at complete prices.

Products tested in certified labs :

- Flammability
- Noise Reduction Coefficient
- Sound Transmitted Class



MMT Acoustix® is a certified brand of Mahabir Muti Tech Pvt Ltd. registered under India company's Act 1956

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