

TECHNICAL DATA SHEET

SoundBlanket® Mass Loaded Vinyl 2.5mm

Product Description:

SoundBlanket® Mass Loaded Vinyl (MLV) is a high-density flexible noise barrier designed for airborne sound isolation across walls, ceilings, and floors. Manufactured by Mahabir Multi Tech Pvt Ltd, India, this 2.5mm variant offers superior mass and performance in a slim, easy-to-install form. The material is non-toxic, lead-free, and fire-tested as per international standards.

PROPERTIES	VALUES	TEST METHOD
Thickness	2.5 mm	ASTM D374
Roll Size	10 x 1.2 m	-
Roll Weight	60 kg	-
Calculated Density	2000 kg/m ³	ASTM D297
Material	Mass Loaded Vinyl (PVC + Mineral Fillers)	-
Specific Gravity	1.9	ASTM D297
Tensile Strength	28 kg/cm ²	ASTM D412
Elongation at Break	180%	ASTM D412
Tear Resistance	13 kg/cm	ASTM D624
Hardness	70 ±5 Shore A	ASTM D2240
Compression Set (70°C / 24h / 25%)	35%	ASTM D395
Temperature Range	-30°C to 100°C	-
Colour	Natural Black	-
Surface Finish	Smooth, Flexible Sheet	-
Sound Transmission Class (STC)	27–30 dB	ASTM E413
Fire Rating	Class B - s1, d0	EN 13823 (SGS Tested)
Chemical Components	Polymer blend with Barium Sulphate, Calcium Carbonate & Additives	-
Shelf Life	30 Years	-
Country of Origin	India	-
Packing Form	Rolls	-
Applications	Walls, Ceilings, Floors, Machinery Enclosures, Partitions	-
Testing Agency	ARAI & SGS	-

Manufacturer: Mahabir Multi Tech Pvt Ltd

Registered Office: 36/1679, Naiwala, Arya Samaj Road, Karol Bagh, New Delhi - 110005, India

Factory: Unit 2, Baghola Village, Palwal District, Haryana - 121102, India

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