

# BLOCK

Mass Loaded Vinyl

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C A T A L O G U E



**TRANQUIL**<sup>®</sup>

*Build World-Class*



# BLOCK

Mass Loaded Vinyl

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Tranquil BLOCK is made of Mass Loaded Vinyl (MLV), which aids in soundproofing and can be used as a premium sound barrier. It not only absorbs noise but also dampens and blocks it; it is seamless, flat, curved, or domed, and can be easily concealed in any type of complex surface to isolate noise.

It is made of a combination of rubber, calcium, and barium, making it more durable to withstand any weather conditions. It can be used on walls, ceilings, or the floor to provide intense soundproofing.



## **BLOCK** Mass Loaded Vinyl

Tranquil BLOCK (MLV) is Fire-Rated to Class A, water-resistant, and antimicrobial. It is used in multiplexes, home theatres, nightclubs, offices, auditoriums, gyms, shopping malls, banquet halls, and other places where noise must be isolated. BLOCK is available in roll form and can be concealed behind a wall, acoustic panels, or fabrics because it controls high, medium, and low-frequency sound, vibrations, and bass. They are simple to install and can be covered with carpet, gypsum, cement, or wooden flooring. It can raise the Sound Transmission Class (STC) rating of a wall or ceiling and help to dampen excess noise within the space.

### **S P E C I F I C A T I O N**

- Material: Mass Loaded Vinyl
- Finish: Smooth Finish
- Max. dimensions: Length- 10 m
- Thickness: 1 / 1.5/2/3mm & customized upto 10mm.
- Width: 1.22 / 2m
- Density: 1900 kgs / m<sup>3</sup>
- Dimension Stability: < 0.4%
- Flexibility 10mm Mandrel Test: Pass
- Flame Spread: Class I
- Installation: Material can be glued, nailed, stapled, screwed and can be reinforced and hung like a curtain.

### **A D V A N T A G E S**

- Very High density product leading to high acoustic insulation.
- Roll form which is easy to handle.
- Flexible and easy to install
- Easy to cut with general accessories like knife and scissors.
- Thermal resistance leading to high heat insulation.
- Easy to install as it can be pasted with adhesive or nailed.
- Excellent ageing resistance

### **S T A N D A R D**

- IS: 9901 (Part III)-1981,
- DIN:52210 Part IV-1989,
- ISO: 10140 (Part I) - 2016 'Measurement of sound insulation in building and of building element's.'
- Part III: Laboratory measurements of airborne sound insulation in building and of building elements



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## APPLICATION

### Walls | Ceilings | Flooring

- Used as high sound isolation material, can be installed on walls, ceilings and floorings.
- Used within partitions for reducing airborne noise.
- Noise created by impact on floors can be reduced by using it below flooring or below floating floors. Can be used in industries for sound insulation of machines, pipes and etc.
- Block can be used to wrap columns or pipes, duct work and etc.,

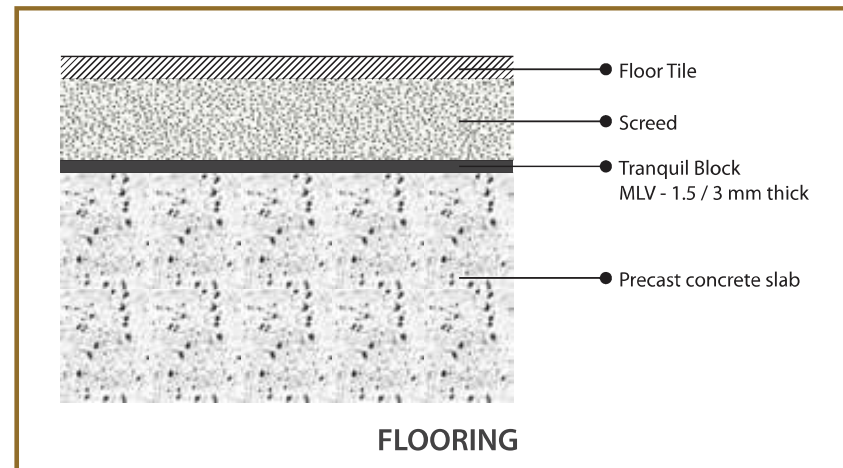
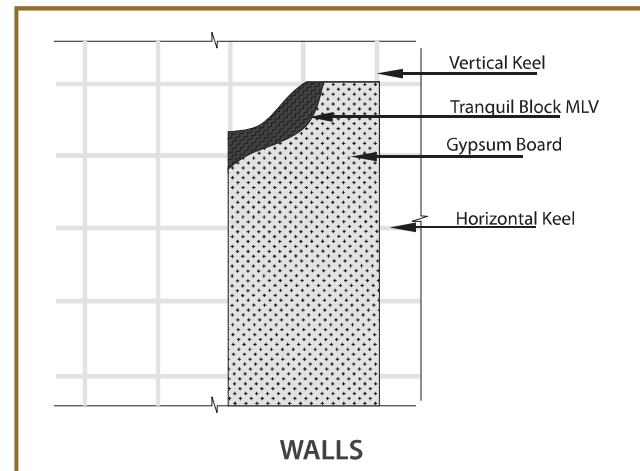


High performance sound deadening membrane.



Roll form offers ease to install. Easy fixing at any curvature due to its flexibility.

## INSTALLATION OF SOUND ISOLATION





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## SOUND TRANSMISSION CLASS

1/3 Octave Band Centre Frequency (HZ)	Airborne Sound Transmission Loss (dB)		Tranquil Block Density: 1900 kg/ m <sup>3</sup>
	2mm	3mm	3.5mm
100	11	16	15
125	09	16	16
160	07	15	14
200	12	15	16
250	13	18	20
315	13	19	20
400	15	21	23
500	19	27	27
630	21	26	28
800	23	28	30
1000	27	31	33
1225	29	33	35
1600	30	35	36
2000	31	36	37
2500	32	37	39
3150	34	39	41
4000	35	40	42
<b>STC</b>	<b>23</b>	<b>29</b>	<b>30</b>



**STORK**  
Materials Technology

**ARAI**  
Progress through Research





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### PRODUCTION UNIT

Bengaluru

### WAREHOUSE

Mumbai, Bengaluru and Delhi NCR