

B

Flexible Noise Barrier

Proven noise reduction performance.
Easily moulded to shape with heat.
Economical.
Easy to handle.

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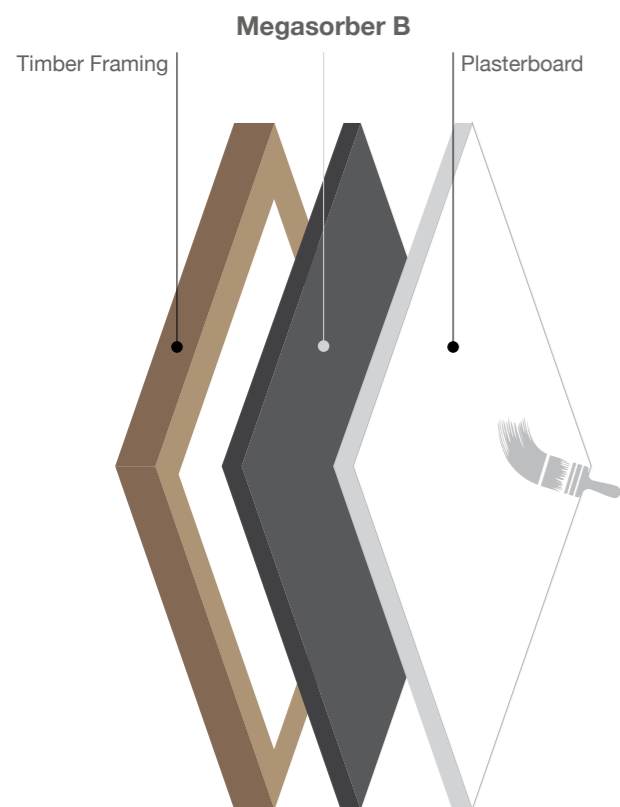
Flexible and thermally mouldable sound barrier designed to be an adaptable noise barrier for a variety of high transmission loss applications.

Megasorber B is specifically designed to increase the soundproofing of partition walls, ceilings and floors. For existing walls, it is recommended sandwiching Megasorber B between two layers of plasterboard. Megasorber B provides excellent transmission loss as well as vibration damping, resulting in superior soundproofing effects. It is also designed to be laid on top of ceiling tiles to reduce the crosstalk noise between office areas.

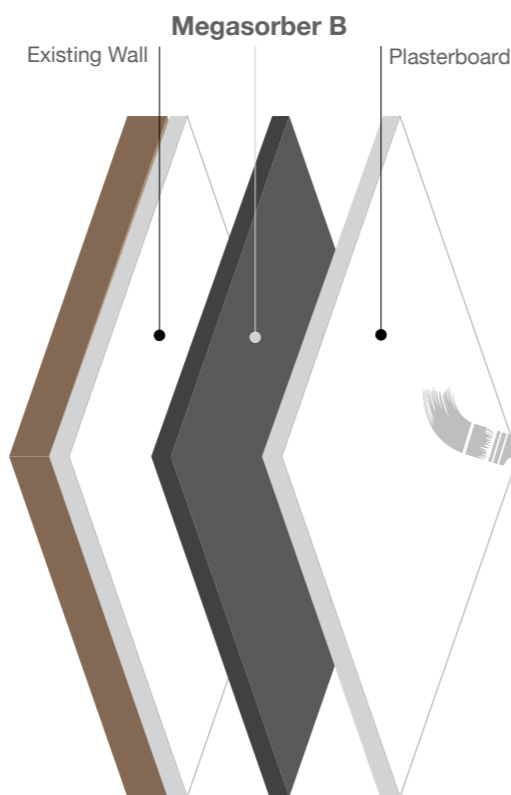
Megasorber B can be easily moulded to shape with heat. It is a cost-effective solution to improve the floor soundproofing in buses, coaches, trains and trams with the list of types of vehicles being endless for this product application. It follows the contour of the floor when heated and provides excellent additional soundproofing against road noise.

Megasorber B is environmentally friendly and 100% recyclable.

New wall construction



Existing wall construction



excellent privacy for boardrooms and offices



Key Features



Proven noise reduction performance.

Economical.

Flexible and durable.

Thermally mouldable.

Easy to handle, cut, fabricate, and install.

Non-toxic.

May be glued, stapled or nailed into position.

Applications

Increase R_w for dry wall partitions.

Stop crosstalk between rooms.

Noise barrier in ceiling spaces.

Acoustic doors.

Increase R_w for timber floors.

Fan casing wrapping.

Machinery enclosures.

Technical Specifications

1. Product Range and Codes

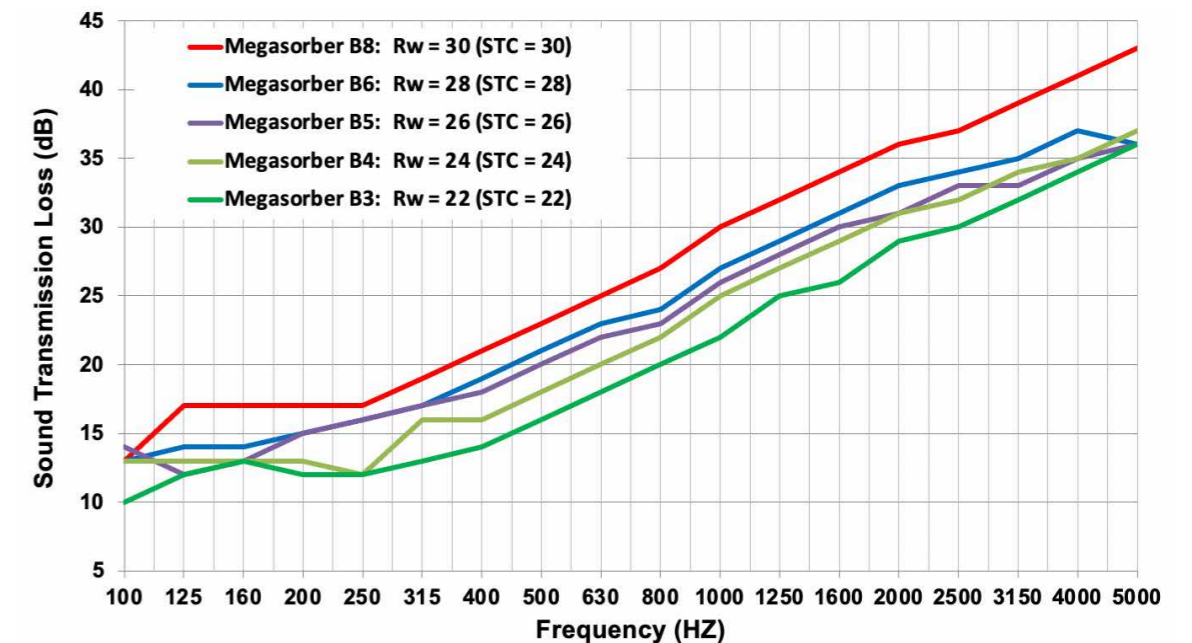
Standard Product	Nominal Weight (Kg/m ²)	Nominal Thickness (mm)		Sheet Size Grey	Roll Size Brown
		Grey	Brown		
Megasorber B4	4	2.1	1.7	1.2m x 2.3m	1.2m x 5m
Megasorber B6	6	3.1	2.5	1.2m x 2.3m	1.2m x 5m
Megasorber B8	8	4.2	3.3	1.2m x 2.3m	1.2m x 5m

Note:

- 1) The grey B range is standard product and is supplied in sheet form. The brown B range is made to order and supplied in roll form.
- 2) Standard products are B4, B6 and B8. Other weights (such as B3 and B5) are available and made to order. Minimum order quantity applies.
- 3) The tolerance is $\pm 5\%$ for the weight and $\pm 10\%$ for the width and length.
- 4) The surface of the barrier may have a stripy appearance and residual process oil. This will not affect the performance of the products. We recommend Megasorber AC5 to clean the surface before installation if using an adhesive.
- 5) Suitable adhesive: Megasorber A200 or equivalent. The adhesive must be plasticiser-migration resistant. If in doubt, we recommend testing to ensure there is no chemical reaction between Megasorber B and the adhesive.
- 6) The grey barrier is designed in Australia and the brown barrier is designed and manufactured in Australia.

Sound Transmission Loss of Megasorber B

Tested to SAE J1400 – Laboratory Measurement of the Air-borne Sound Barrier Performance of Automotive Materials and Assemblies.



2. Acoustic Properties

Standard: SAE J1400 – Laboratory Measurement of the Air-borne Sound Barrier Performance of Automotive Materials and Assemblies:

Frequency Hz	Sound Transmission Loss				
	Megasorber B3	Megasorber B4	Megasorber B5	Megasorber B6	Megasorber B8
100	10	13	14	13	13
125	12	13	12	14	17
160	13	13	13	14	17
200	12	13	15	15	17
250	12	12	16	16	17
315	13	16	17	17	19
400	14	16	18	19	21
500	16	18	20	21	23
630	18	20	22	23	25
800	20	22	23	24	27
1000	22	25	26	27	30
1250	25	27	28	29	32
1600	26	29	30	31	34
2000	29	31	31	33	36
2500	30	32	33	34	37
3150	32	34	33	35	39
4000	34	35	35	37	41
5000	36	37	36	36	43
R _w	22	24	26	28	30
STC	22	24	26	28	30

3. Flammability

MVSS-302-1999 Federal Motor Vehicle Safety Standard (49CFR Part 571)
Flammability of Interior Materials.

Results

Type of Burn	Burn Rate	
Self Extinguish	0 mm/min	Complies

4. Service Temperature

Continuous service temperature: -40°C to 75°C;
Maximum service temperature (intermittent): 85°C;

5. Recommended Moulding Temperature

Softening point: 90°C;
Forming temperature: 100°C;

6. Storage

Products must be kept in a cool place and away from direct sunlight.
Recommended storage temperature 15°C – 25°C.



Related Products

Megasorber BG is a flexible re-inforced noise barrier with non-combustible Soundmesh G8 facing.

Megasorber BR is a flexible re-inforced noise barrier which has high temperature resistance.

Megasorber C is a soundproofing foam-barrier composite.

Important notice and disclaimer.

Specifications are subject to change without notice. Please contact us for the latest version.

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials and installation methods must be tested under actual service to determine their suitability for a particular purpose.

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