

BG

Flexible Noise Barrier with
Soundmesh® G8 Facing

BG


Flexible Noise Barrier with G8 Fireproof Facing

Flexible high performance sound barrier with a fireproof facing, specifically engineered to have low stiffness to maximise sound transmission loss and effectively block noise.

Combining aesthetics and fireproof properties, Megasorber BG is specifically designed for soundproofing in architectural and building applications.

Megasorber BG can be used as soundproofing lining for walls, ceilings, office partitions, acoustic curtains and more. BG is also designed for tough engineering applications, especially under harsh and stringent conditions.

The Soundmesh® G8 facing standard colour is Black. Other colours available are Grey and White, minimum order quantities apply for these.

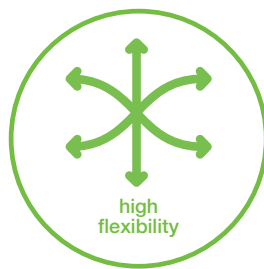
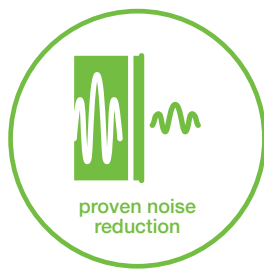


**Non-combustible
Soundmesh®
G8 Facing.**



**high performing
soundproof lining for
office partitions, dry
walls and ceiling space**

Key Features



Aesthetically appealing finish.

High flexibility for maximum sound blocking.

Fireproof/non-combustible G8 facing

Excellent for hanging applications such as acoustic curtains.

Easily cut, fabricated and installed.

Easy to install: the product can be glued on, stapled or nailed into position.

Applications

Soundproofing lining for walls, ceilings.

Office partitions.

Acoustic curtains.

Acoustic doors.

Pipe or duct lagging for soundproofing.

Noise barrier in ceiling spaces.

Dry wall partitions.

Small machinery enclosures.

Wrapping fan casings.

Technical Specifications

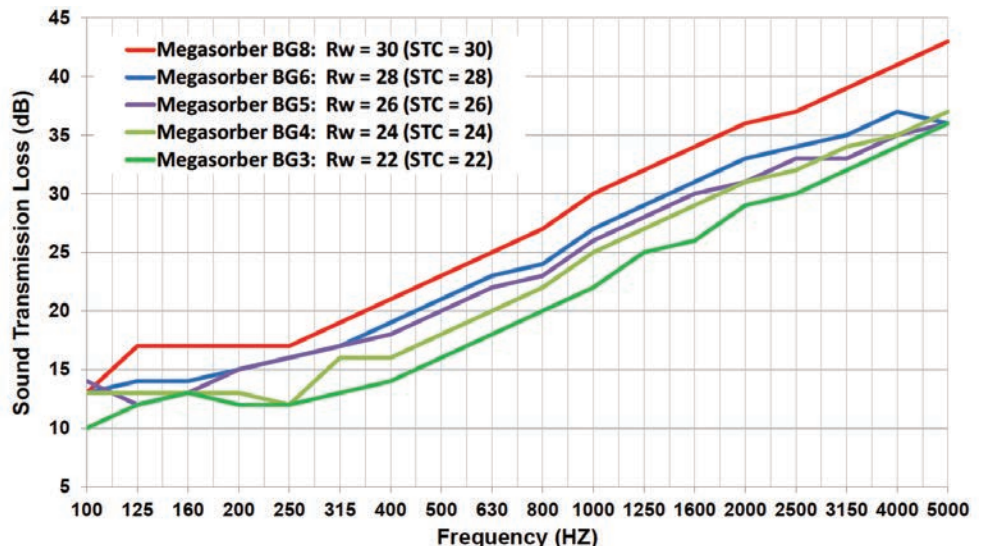
1. Product Range and Codes

Standard Product	Weight	Thickness (mm)	Roll Size
Megasorber BG3	3 kg/m ²	1.6mm	1.25m x 5m
Megasorber BG4	4 kg/m ²	2.0mm	1.25m x 5m
Megasorber BG5	5 kg/m ²	2.5mm	1.25m x 5m
Megasorber BG6	6 kg/m ²	3.0mm	1.25m x 5m
Megasorber BG8	8 kg/m ²	4.0mm	1.25m x 3m

- Note:**
- 1) The Soundmesh G8 facing standard colour is Black. Other colours available are Grey and White, minimum order quantities apply for these.
 - 2) BG4, BG6 and BG8 are standard stock items. BG3 and BG5 are made to order with minimum order quantities applying.
 - 3) The tolerance is $\pm 5\%$ for the weight and $\pm 10\%$ for the thickness, width and length;
 - 4) The back surface of the barrier may have some small dimples. This will not affect the performance of the product.
 - 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 BG and the adhesive.

Megasorber BG Sound Transmission Loss

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



Proven noise reduction performance.

2. Acoustic Properties

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

Frequency	Sound Transmission Loss				
	BG3	BG4	BG5	BG6	BG8
Hz					
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

AS1530.3.1989: Early Fire Hazard Properties: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release:

Ignitability	Spread of Flame	Heat Evolved	Smoke Developed
0	0	0	4

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 120°C.

Maximum service temperature: 130°C (short time exposure only).

5. Storage

Products must be kept in a cool place and off any direct sunlight; Recommended storage temperature 15°C to 25°C.

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.

Related Products

Megasorber B is a flexible and thermally mouldable sound barrier.

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

Megasorber C is a soundproofing foam-barrier composite.

megasorber.com



megasorber.com

megasorber[®]

Megasorber is the registered trademark of
Megasorber Pty. Ltd.

Building 3, 621 Whitehorse Road
Mitcham, Victoria, Australia 3132

E info@megasorber.com

T + 61 3 9077 2918

ACN 096 454 278 / ABN 13 096 454 278

© Copyright September 2021

This document and the ideas expressed herein are the sole
property of Megasorber Pty. Ltd.