

BR

Flexible Reinforced
Noise Barrier



High temperature resistant noise barrier.

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Tough and durable reinforced noise barrier.

Megasorber BR is a flexible high performance sound barrier. BR has low stiffness which improves the sound transmission loss by effectively blocking noise.

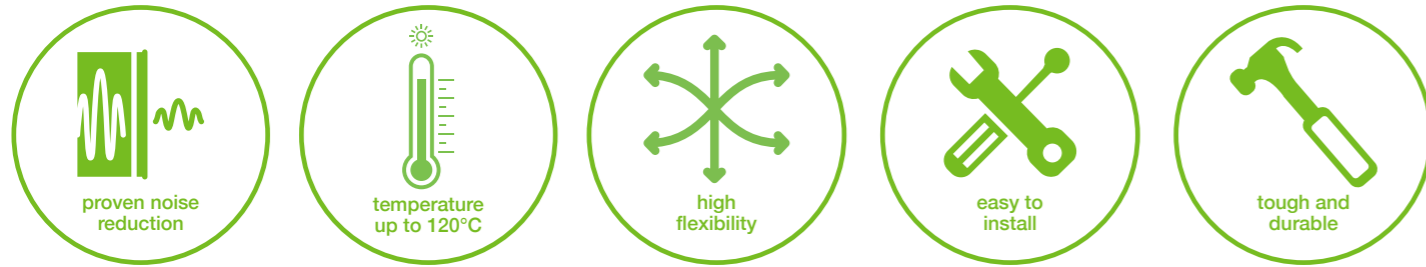
BR is a high temperature resistant noise barrier, providing an excellent soundproofing effect at a wide range of temperatures, typically from -40°C to +120°C, where other traditional mass loaded vinyl (MVL) noise barriers would fail.

Megasorber BR has a reinforced backing to further enhance its mechanical strength. It is excellent for hanging applications where the material is typically used as an acoustic curtain.



maximum soundproofing performance for noisy spaces

Key Features



High temperature resistant polymer alloy system.

Suitable for elevated temperatures up to 120°C (short term exposure only).

Durable & flexible.

Suitable for hanging applications.

Easily cut, fabricated and installed.

Contains no lead, non toxic.

Can be stapled or nailed into position.

Applications

Pipe or duct lagging for soundproofing.

Noise barrier in ceiling spaces.

Dry wall partitions.

Acoustic doors.

Small machinery enclosures.

Wrapping fan casings.

Acoustic curtains.

Technical Specifications

1. Product Range and Codes

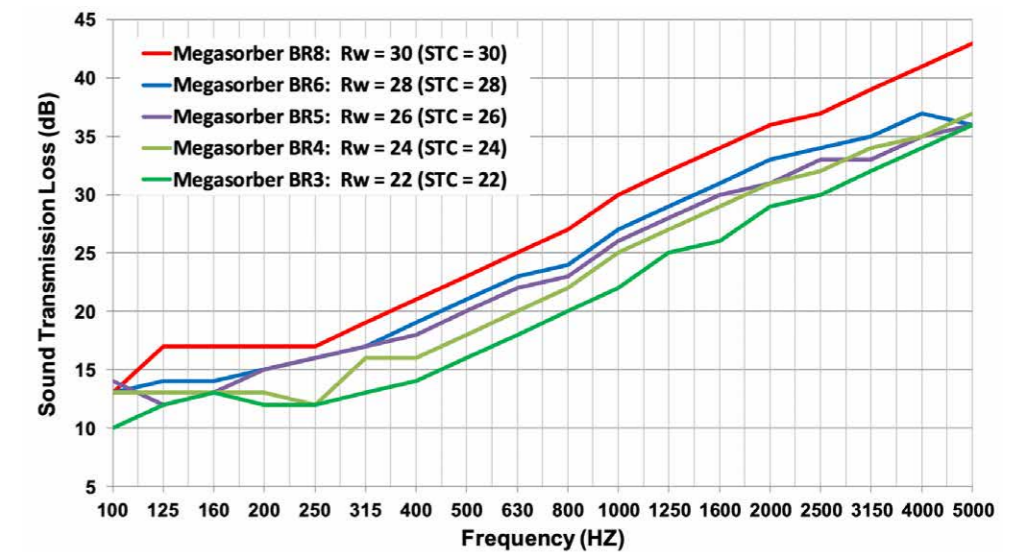
| Standard Product | Weight | Thickness (mm) | Roll Size |
|------------------|---------------------|----------------|------------|
| Megasorber BR3 | 3 kg/m ² | 1.6mm | 1.35m x 5m |
| Megasorber BR4 | 4 kg/m ² | 2.0mm | 1.35m x 5m |
| Megasorber BR5 | 5 kg/m ² | 2.5mm | 1.35m x 5m |
| Megasorber BR6 | 6 kg/m ² | 3.0mm | 1.35m x 5m |
| Megasorber BR8 | 8 kg/m ² | 4.0mm | 1.35m x 5m |

Note:

- 1) Standard products are BR4, BR6 and BR8. BR3 and BR5 are made to order and minimum order quantities apply.
- 2) The tolerance is ± 5% for the weight and ± 10% for the thickness, width and length.
- 3) The surface of the barrier may have some small dimples. This will not affect the performance of the products.
- 4) 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 BR and the adhesive.

Megasorber BR 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 Hz | Sound Transmission Loss | | | | |
|----------------------|-------------------------|-----------|-----------|-----------|-----------|
| | BR3 | BR4 | BR5 | BR6 | BR8 |
| 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. Service Temperature

Continuous service temperature: - 20°C to 110°C.

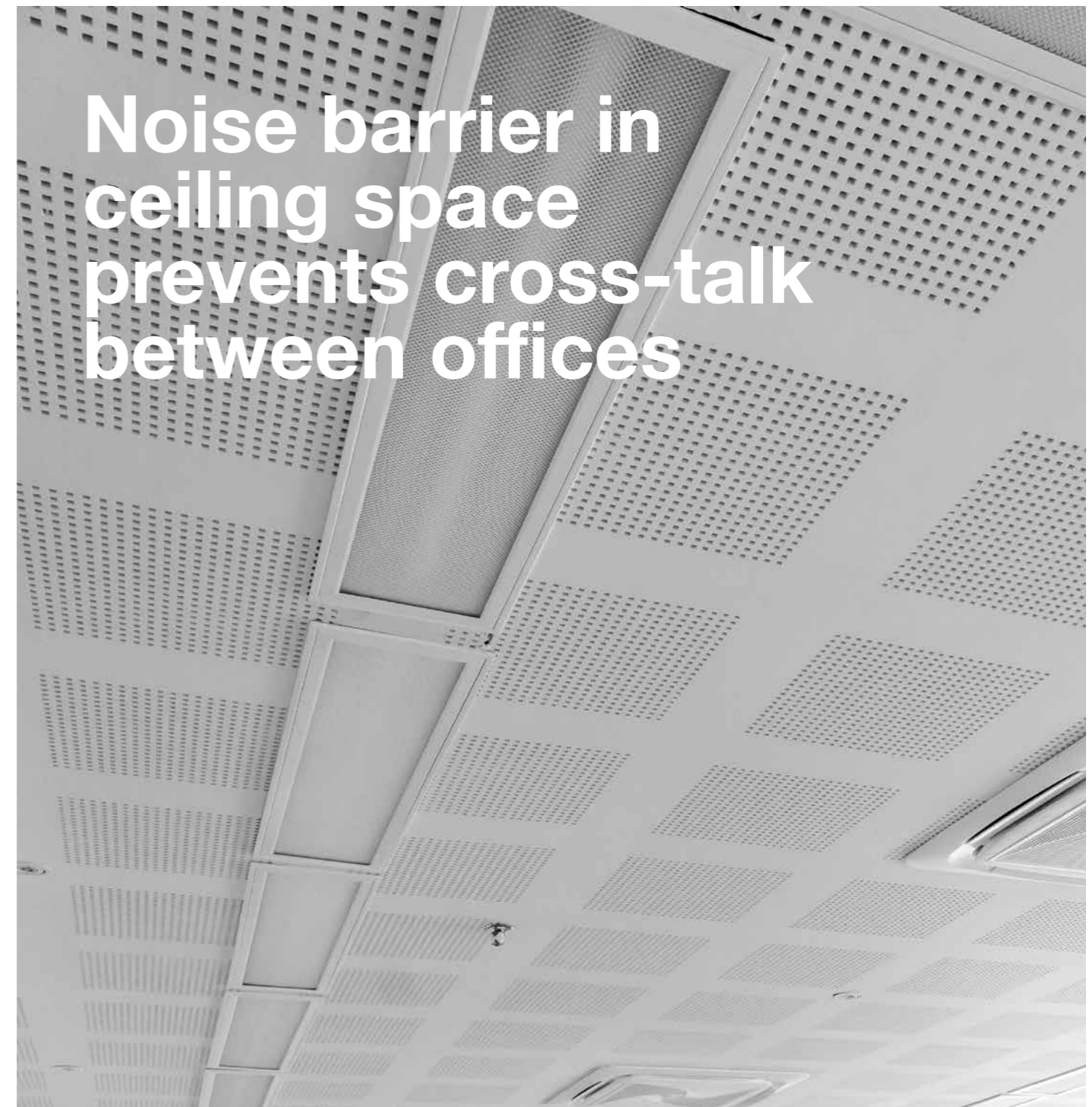
Maximum service temperature (intermittent): 120°C.

4. Storage

Products must be kept in a cool place and off any direct sunlight; Recommended storage temperature 15°C – 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 BG is a flexible noise barrier with non-combustible Soundmesh® G8 facing.

Megasorber B is a flexible thermally mouldable noise barrier which has high temperature resistance.

Megasorber C is a soundproofing foam-barrier composite.

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Megasorber is the registered trademark of
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