

Tried, Tested, Trusted



Gramm Barrier Systems SoundBlok Range

## ALUSoundBlok® CE

Gramm Barrier Systems ALUSoundBlok® noise barrier panels are manufactured from high density mineral wool which has extremely effective deadening properties. The mineral wool is then encased in an aluminium panel to produce a light weight sound absorbing barrier.

Gramm Barriers supply and install their ALUSoundBlok® noise barrier system extensively throughout Europe and the UK within urban areas, roads, rail and on various structures.

Gramm Barrier systems ALUSoundBlok® barrier are constructed off site under strict quality controls providing the highest level of construction which conforms to all the latest standards required for all sectors.

Each panel is made of corrosion-resistant aluminium, and perforated for acoustical absorption. The size and pattern of the perforations are designed to protect and maintain the sound-absorptive capability of the acoustic fill inside the panels.

The reverse side of the panel facing away from the noise source, is made of nonperforated aluminium which is also corrosion-resistant. ALUSoundBlok® panels cut the build-up of reverberant sound between parallel barriers, resulting in noise reduction higher than that provided by the hard-surface alternates.



A unique design feature of the ALUSoundBlok® barrier construction is that individual panels can be removed and replaced. Panels are not bolted, welded, or otherwise permanently fastened to each other or to the support posts (Top security fixing added if required).

Should replacement be called for as a result of structural damage, no more than three workmen using ordinary hand tools will be able to do the job. The light weight ( $18 \text{ kg/m}^2$ ) of the noise shield panels also make them the prime choice for barrier construction atop existing bridges, overpasses, or other elevated transit structures which cannot support heavier alternative products.

### Applications



Road



Rail



Airport



Commercial



Industrial



Utilities



Ports



Defence



Residential



Housing

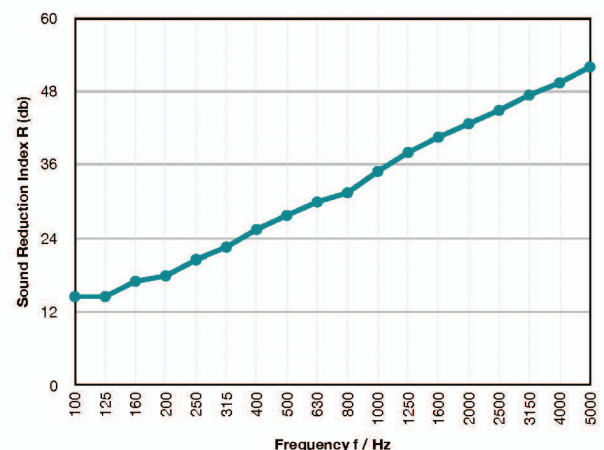
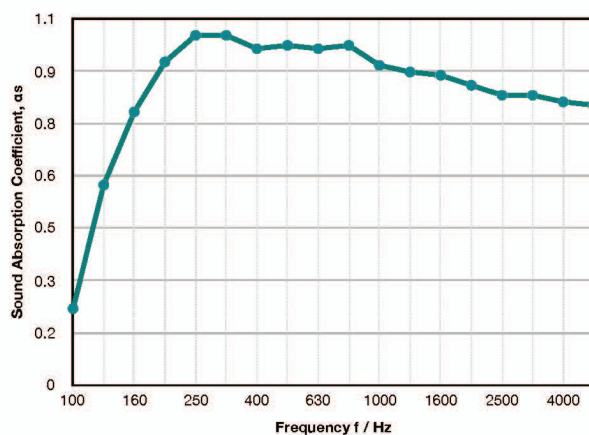
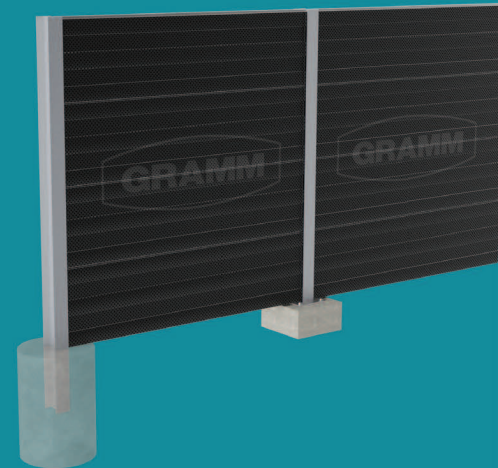


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## Technical Information

- Barrier Rating: A4, B3
- Absorption: 13 D<sub>la</sub>
- Reflection: 25 D<sub>Lr</sub>
- Height: From 0.5m - 10m (Bespoke Heights available on request)
- Lengths: From 1.0m - 5.0m (Bespoke Lengths available on request)
- Material: Aluminium
- Weight: 18kg/m<sup>2</sup>
- Finish: Powder Coated
- Design Life: 30 years



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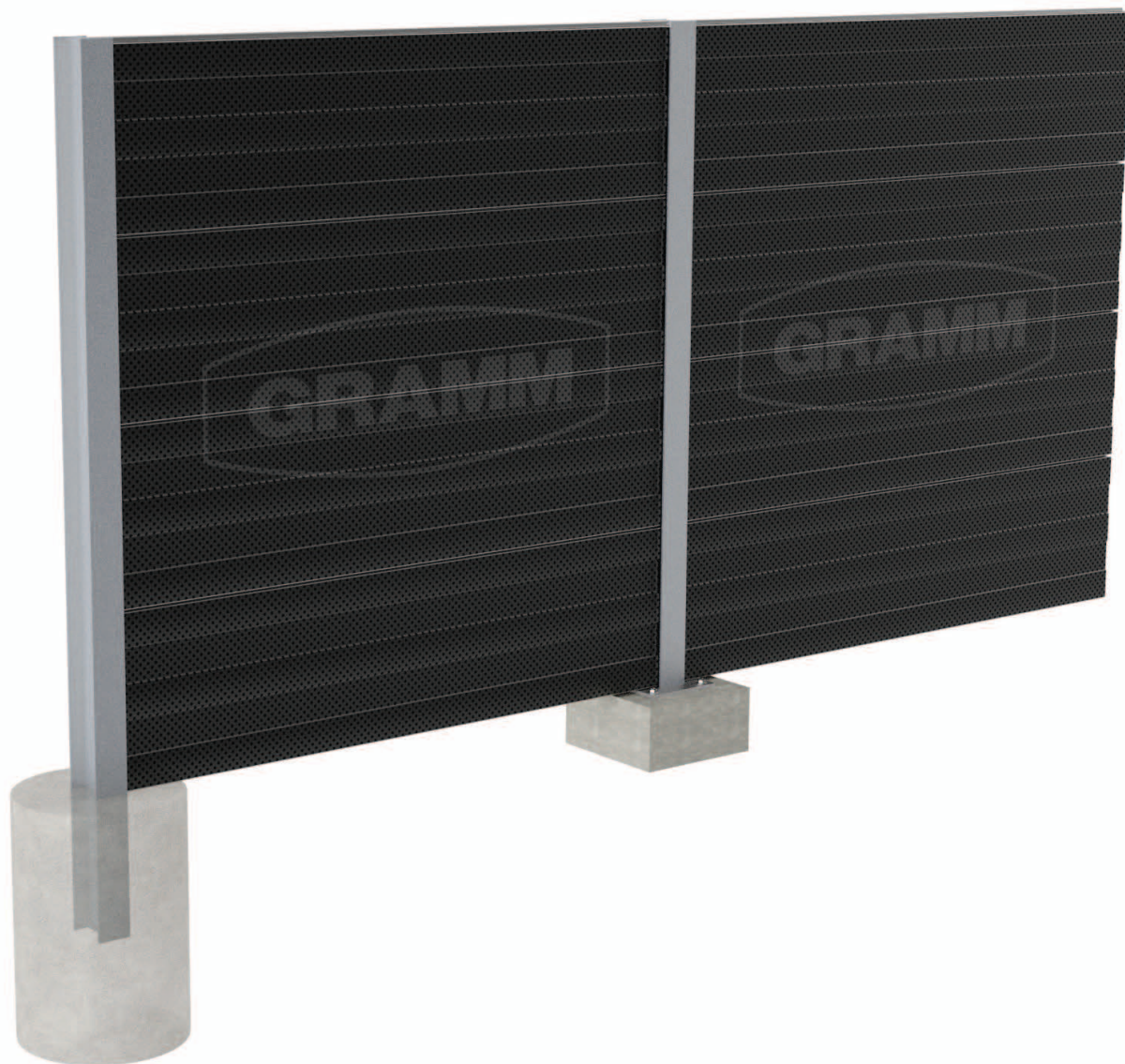
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**NOISE BARRIER & FENCING SPECIALIST**

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Gramm offer a full range of acoustic barriers to safeguard and protect a whole range of property and sites from noise as well as providing the security you need. Whether your requirement is to keep sound in or out of your premises, we have the right noise barriers and acoustic fencing to provide the solution.

**Call now for free Quote**  
**08442 259002 or 01323 872243**

info@grammbarriers.com    grammbarriers.com

Class	Acoustic Performance	Design Life	Replacement Design Life Based on 120 years
B3 A4	DLR 25 dB Dla 13 dB(A)	30 years - Panels 60 years - Posts	3 1
Foundation Type	Fixing Method / Post Type	Fixings	Maintenance
1) Shallow concrete pad footing set a 3.0 or 5.0m centres.  2) Augered foundations set at 3.0m or 450m centres.	1) Galvanised steel or PPC posts with baseplates fixed to concrete pad footings using chemfix resin anchors/studs.  2) Steel RSJ posts set into augered foundations using ST5 concrete.	Stainless Steel	Zero Maintenance. Yearly inspection required.

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