

Siderise NRB Superflex Noise Reduction Barrier



Application

Siderise NRB Superflex is a flexible, weather resistant noise control product that forms a barrier between a noise source and the receiver, reducing the impact of sound on the surrounding environment.

Siderise NRB Superflex is commonly used around construction sites, roadworks, railways, and outdoor events to provide a barrier between the noise source and receptors.

Siderise NRB Superflex is designed to typically hang via eyelets over construction fence panels, they have been specifically developed to provide a simple and easy solution to noise issues in the outdoor environment.

Product description

Siderise NRB Superflex is made of a composite of flexible materials, meaning it can be easily rolled for simple handling and storage.

The outer weather and wash proof durable outer facings enclose a thin fibre insulation core.

Eyelets are positioned around the perimeter of the barrier for fixing to common steel construction fencing.

Installation

Siderise NRB Superflex can be quickly fixed to site fencing and scaffolding. Using strategically placed eyelets the noise barrier can be easily hung from readily available and common steel construction fencing. Using specially designed bungee cords or heavy-duty cable ties Siderise NRB Superflex can be well secured to most mobile fencing of compatible dimensions.

As sound will diffract around objects, barriers should be placed in close proximity to the noise source to stop 'line of sight' to surrounding buildings and the public. Barriers should also be overlapped by 50mm and care should be taken to avoid gaps, as this will improve the overall effectiveness and reduce 'leakage'.

All eyelets should be utilised for restraining the barrier to the fence panels to ensure maximum stability and safety.

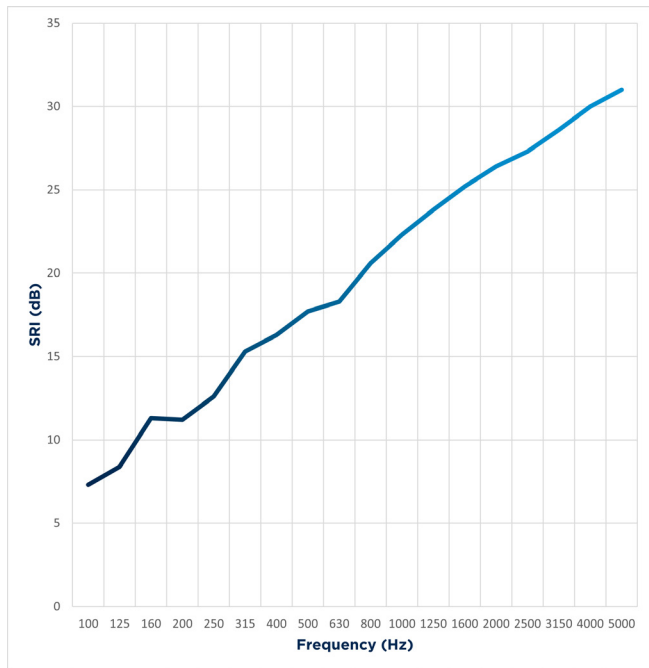
Please note that care should be taken that fence panels or supporting structures are adequately restrained in high wind conditions. (Please contact the fence panel provider for details regarding wind loading).

Acoustic Performance

Sound Insulation:

$R_w(C;Ctr) = 22(-1;-4)dB$ Rating according to BS EN ISO 717-1: 2020

Graph 1: Laboratory Measurement of Sound Reduction Index to BS EN ISO 10140-2: 2021



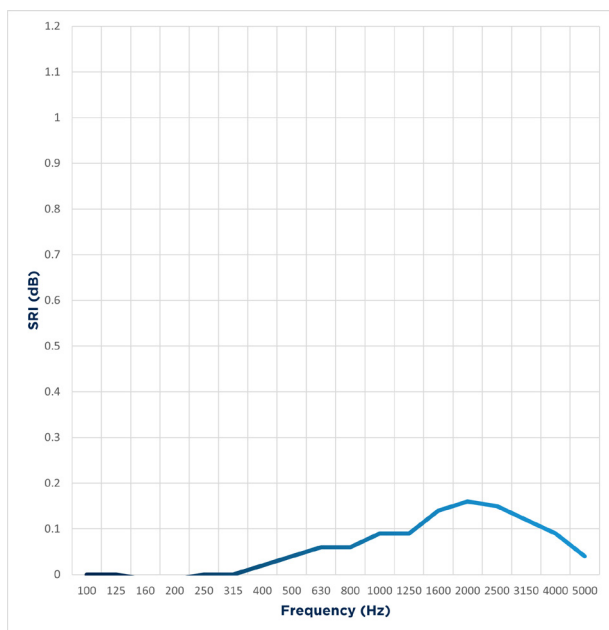
Sound Absorption

Mounting Method: A

α_w 0.10 Calculated to BS EN ISO 11654: 1997

NRC 0.05 Calculated to ASTM C 423-01

Graph 2: Laboratory Measurement of Random Sound Absorption to BS EN ISO 354: 2003



Technical specification

Size	2000mm x 1200mm
Weight	7.2kg
Colour	Black
Custom artwork	Optional
Outer finish	Medium weight durable PVC
Flammability (outer surface)	Type B BS5867-2:2008
Tearing strength	59N
Abrasion resistance	IS 7016, 42,000 cycles at 1.25 kg no damage observed
Lightfastness	BIS-IS-2454 (1985)

In house exposure testing:

- Insignificant moisture ingress on exposure to rainfall.
- No degradation due to sunlight.
- No damage due to freezing.

Further information

Technical support

For further information please contact our technical team at the address below.

Available CPD's

Contact Siderise for further information on our CPDs:

- Siderise Acoustic Products for Commercial Interiors -Architect Edition
- Siderise Acoustic Products and Performance with 1/3rd Octave Data – Acoustic Consultants Edition

Sales & Technical

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