

# Siderise NCB Noise Control Barrier



## Application

Siderise NCB is a flexible, water repellent noise control product that forms a barrier between a noise source and the receiver, reducing the impact of sound on the surrounding environment.

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

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

The acoustically absorbent fibre insulation core is enclosed by weather and wash proof durable outer facing on one side and a water repellent acoustic glass cloth on the other side. The water repellent glass cloth is acoustically transparent, this increases the amount of acoustic absorption provided by this side of the barrier.

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

## Installation

Siderise NCB 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 NCB 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'. The barrier should be installed with the glass cloth side facing toward the noise source.

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

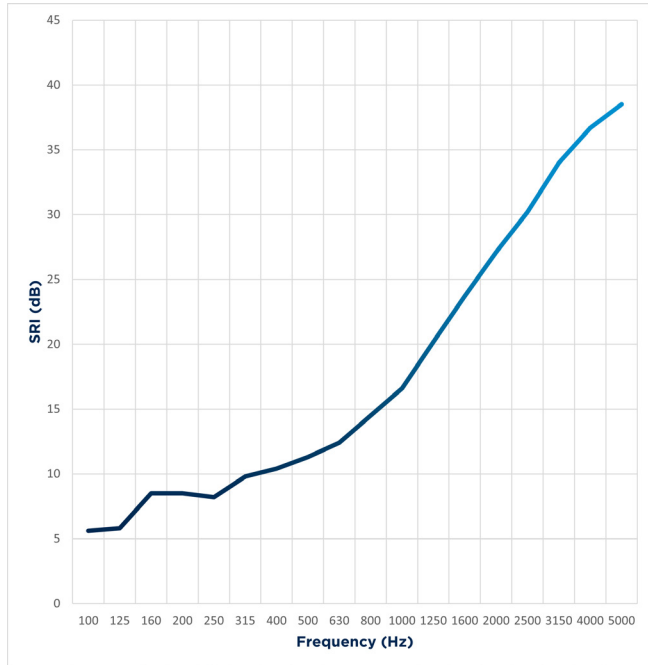
Please note that care should be taken that fence panels or supporting structures are adequately restrained in high wind conditions. (Please contact the fence panel provider for details regarding wind loading).

## Acoustic Performance

Sound Insulation:

$R_w(C;Ctr) = 17(-1;-3)$ 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**



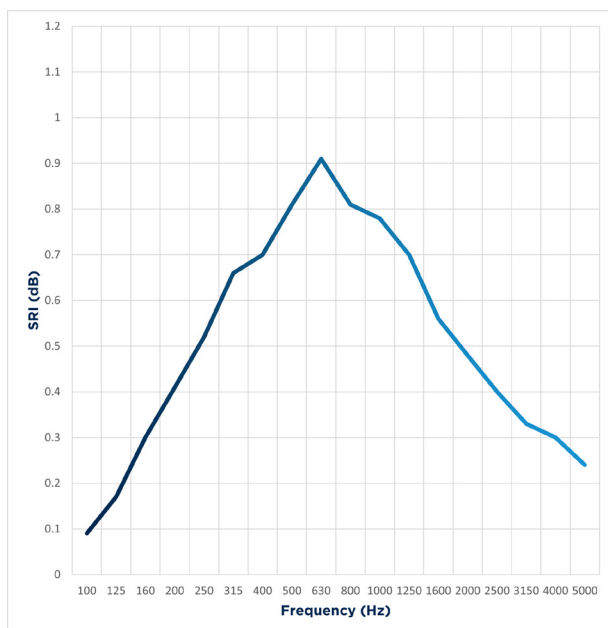
Sound Absorption

Mounting Method: A

$\alpha_w$  0.5(LM) Calculated to BS EN ISO 11654:1997

NRC 0.65 Calculated to ASTM C 423-01

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



**Technical specification**

<b>Size</b>	3550mm x 2000mm
<b>Weight</b>	12kg
<b>Colour</b>	Black
<b>Custom artwork</b>	Optional
<b>Outer finish</b>	Medium weight durable PVC Water repellent glass cloth
<b>Flammability (PVC Outer)</b>	Type B BS5867-2:2008
<b>Tensile strength (PVC Outer)</b>	2500 / 2100 N/5cm
<b>Operating temperature (PVC Outer)</b>	-30°C to +70°C

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 1/3<sup>rd</sup> Octave Data – Acoustic Consultants Edition

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