



SIDERISE® noise control barrier: NCB-2000

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 NCB-2000 effectively treats noise issues 'at source' through both absorbing and controlling the noise where it is generated.

SIDERISE NCB-2000 is a flexible, weather resistant noise control product that forms a barrier between a noise source and the receiver, utilising both absorption and blocking of sound to provide attenuation to the surrounding area.

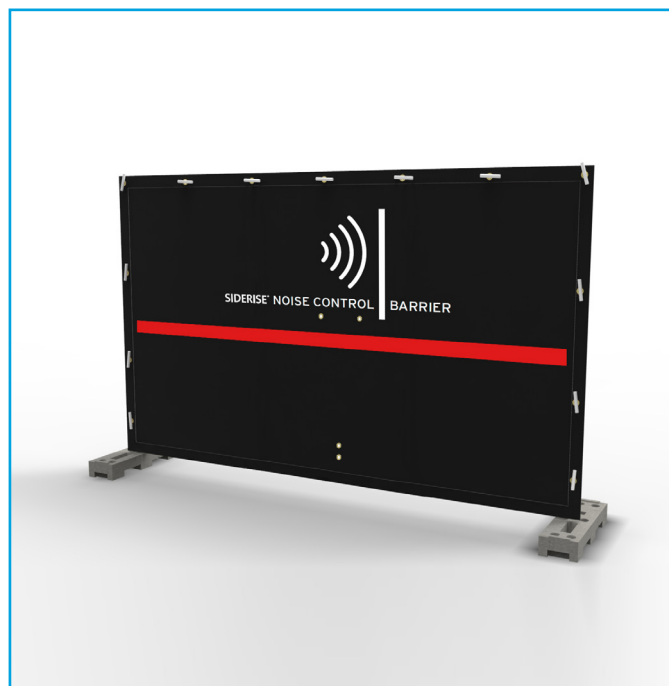
Designed to typically hang via eyelets over construction fencing panels, they have been specifically developed to provide a simple and easy solution to noise issues in the outdoor working environment.

Offering market leading performance **SIDERISE Noise control barriers** can be used in a wide variety of demanding industrial environments, both as an inaugural solution and a remedial treatment for unplanned noise issues.

Application

SIDERISE NCB is typically used in industrial applications where reduced sound pressure levels are required beyond the immediate working area. The areas in which SIDERISE Noise control barriers can commonly be utilised are:

- Construction sites
- Demolition
- Roadworks
- Railway
- Industrial/Noise at work
- Outdoor events



Benefits

- Engineered Acoustic Performance
- Fire Resistant
- Lightweight and Flexible
- Fast and Simple installation
- Promotes public relations and reduces complaints
- Rw 17dB

Product description

SIDERISE NCB-2000 are made from a composite of fire resistant materials, meaning that they can be easily rolled, handled and stored.

Constructed of a composite, consisting of a durable outer facing, absorbent core and acoustically transparent facing, **SIDERISE noise control barriers** form a resilient and well-designed acoustic solution to outdoor noise problems.

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 noise control barriers** can be well secured to most mobile fencing of compatible dimensions.

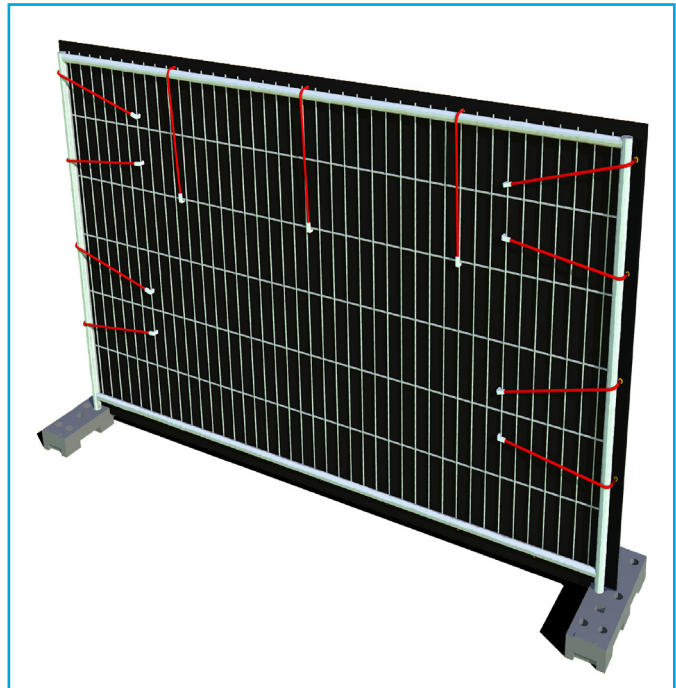
Acoustic design

SIDERISE has over 40 years of experience in industrial acoustics and equipment noise control. This experience has been used to create **SIDERISE noise control barriers**, designed and developed for optimum performance and ease of use. **SIDERISE noise control barriers** utilise optimum materials to deliver class leading absorption and sound reduction whilst remaining easy to handle, transport and install.

Acoustic performance

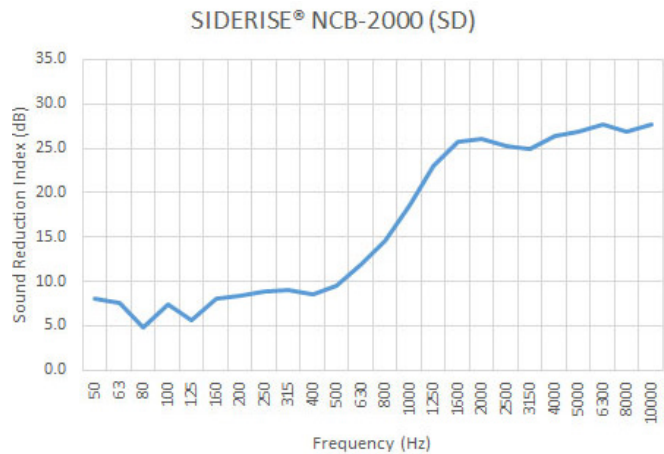
SIDERISE noise control barriers have been engineered for the optimum balance between weight, acoustic performance and cost. They have been Third-Party tested and certified to deliver up to a 17dB noise reduction.

Weighted Sound Reduction Index (R_w) (Rating according to ISO 717-1 : 1997)	
NCB-2000	17 (-1; -4) dB



Example of a SIDERISE noise control barrier attached to fence

Graph 1 - NCB-2000 acoustic performance



NOTE: Sound transmission in accordance with EN ISO 140-3 : 1995

Table 1 - NCB-2000 acoustic performance

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
SRI (dB)	6.5	6.9	8.8	9.8	17.5	25.7	26.0	27.4

Technical specification

SIDERISE noise control barrier: NCB-2000

Size	3550 x 2000mm
Colour	Black
Custom artwork	Optional
Outer finish	Medium weight durable PVC
Fire resistance (outer)	BS5867-2 / ISO 6941
Tensile strength (outer)	2500/2100
Acoustic core	Medium density absorbent core
Facing fabric	Black water resistant woven acoustic fabric
Tensile strength (facing) ISO 4606	550-750 N/cm
Temperature resistance (facing)	600°C

INSTALLATION

SIDERISE noise control barriers can be quickly fixed to site fencing and scaffolding, allowing them to both absorb noise on site and create a barrier to the outside community.

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. The cloth face of the barrier should face the noise source. 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.

HANDLING

Care should be taken to avoid sharp objects penetrating the product or high tensile loads.

To keep in the best condition, the product should be rolled up neatly after use and stored in an environment not exposed to continuous water or left saturated in liquid.

It is recommended that no more than 1 barrier per person should be carried at any one time.

ENVIRONMENTAL

SIDERISE noise control barriers are environmentally friendly.

- They contain no Volatile Organic Compounds (VOCs) and no very Volatile Organic Compounds (vVOCs).
- Zero Ozone Depleting Potential
- Zero Global Warming Potential
- Recyclable



Further information

The following **SIDERISE noise control barriers** are available:

Product	Type (Weight)	R _w
NCB-1000	Light	11dB
NCB-2000	Standard	17dB
NCB-3000	Heavy	25dB

Technical & sales support

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

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