SIDERISE FENCING: NOISE CONTROL BARRIER

Noise control for Construction Sites, Outdoor Events, Railways, Roadworks

Acoustic, fire and thermal insulation specialists

SIDERISE®

Noise control barriers

A cutting-edge acoustic product developed by SIDERISE to solve the problem of environmental noise pollution. SIDERISE noise control barriers effectively treat noise issues 'at source' through both absorbing and controlling the noise where it is generated.

SIDERISE noise control barriers represent a fast and cost effective treatment, which will not only assist in reducing complaints from neighbouring communities but will also help to promote good relations between the construction industry and the local community as a whole.

Applications

- Construction sites
- Demolition
- Roadworks
- Railway
- Industrial
- Noise at work

Excessive site noise comes from heavy equipment and machinery, vehicles, people shouting and loud music. This can lead to hearing loss, high blood pressure, and extreme stress.

SIDERISE NBC

SIDERISE NCB noise control barriers are available in custom sizes, tailored to your needs. They are made from a composite of durable acoustic grade cloth, acoustic absorbent core and flexible mass membrane, delivering both optimum sound absorption and sound insulation.

Due to their unique design they offer outstanding performance whilst still being easily rolled, handled and stored.

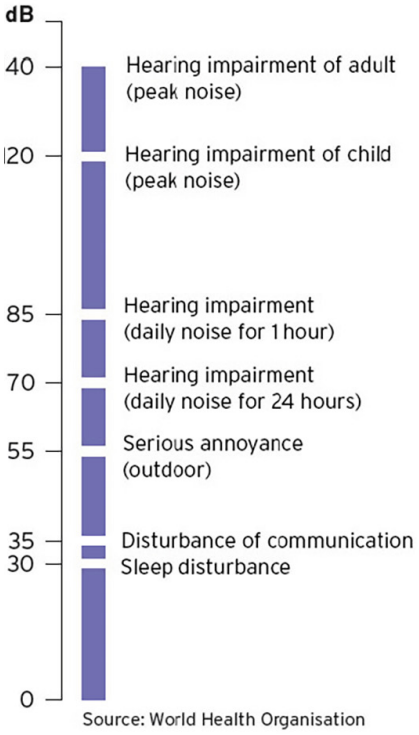
Series	Size	Weight (kg)
NCB-1000	3550 x 2000	7.0
NCB-2000	3550 x 2000	11.4
NCB-3000	1200 x 2000	13.7

Benefits

- Engineered Acoustic Performance
- 3rd Party tested to BS EN 1793 part 1 & 2.
- Lightweight and flexible
- Quick & easy to install
- Promotes community relations & reduces noise complaints

NOISE: What the experts say

The World Health Organization has issued guidelines regarding noise levels. They class 55dB as loud enough to cause serious annoyance and state that noise levels as low as 70dB can result in hearing impairment. With heavy plant and tools working in excess of 85dB on a construction site, it is easy to see why this is a significant issue.



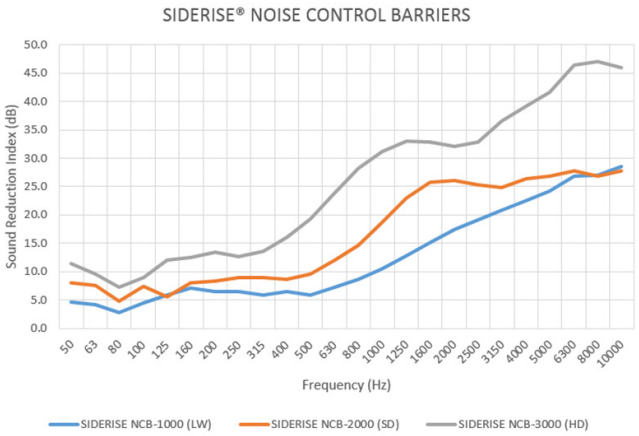
Source: World Health Organisation

Construction sites are particularly challenging in terms of noise control. High levels of noise can result in complaints from residential areas, action from local authorities, and your site being shut down.

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 25dB noise reduction.

Series	Rw to ISO 717
NCB-1000	11dB
NCB-2000	17dB
NCB-3000	25dB



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. The NCB-1000 & NCB-2000 utilise optimum materials to deliver class leading absorption and sound reduction whilst remaining easy to handle, transport and install.

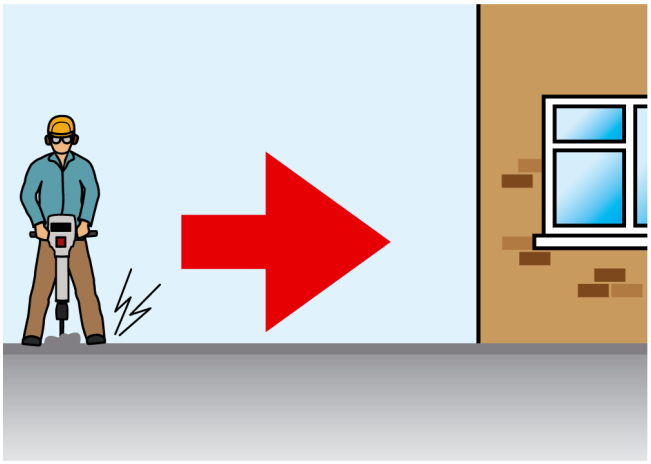
Barrier installation

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.

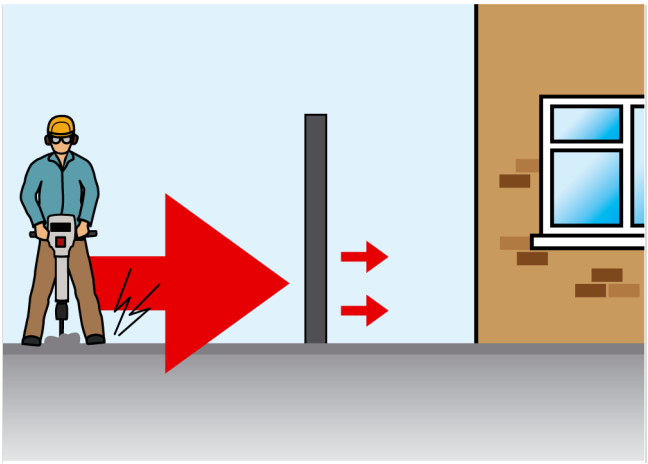
As sound will diffract around objects, barriers should be placed in close proximity to the noise source to stop 'line of sight' to surrounding buildings and the public. The cloth face of the barrier should face the noise source.

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'.

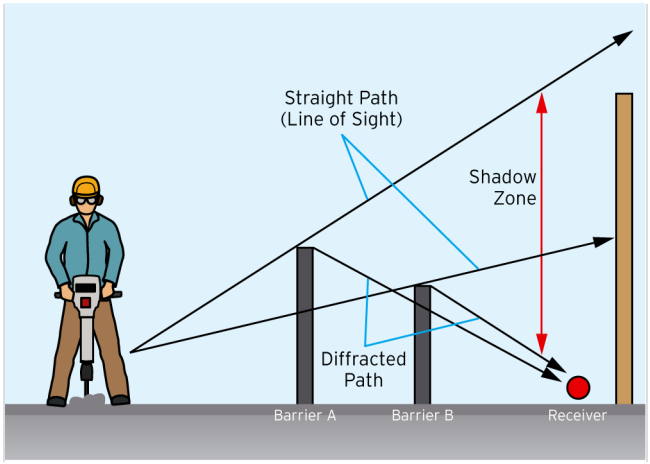
Please note that care should be taken that fence panels or supporting structures are adequately restrained in high wind conditions.



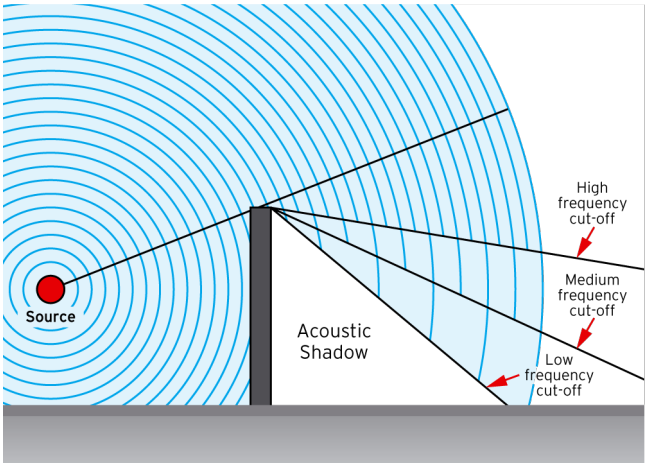
Noise impact without noise control barriers



Noise impact reduction noise control barriers



Noise distribution with barriers installed



Noise frequency cut-off with barriers installed

SIDERISE®

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