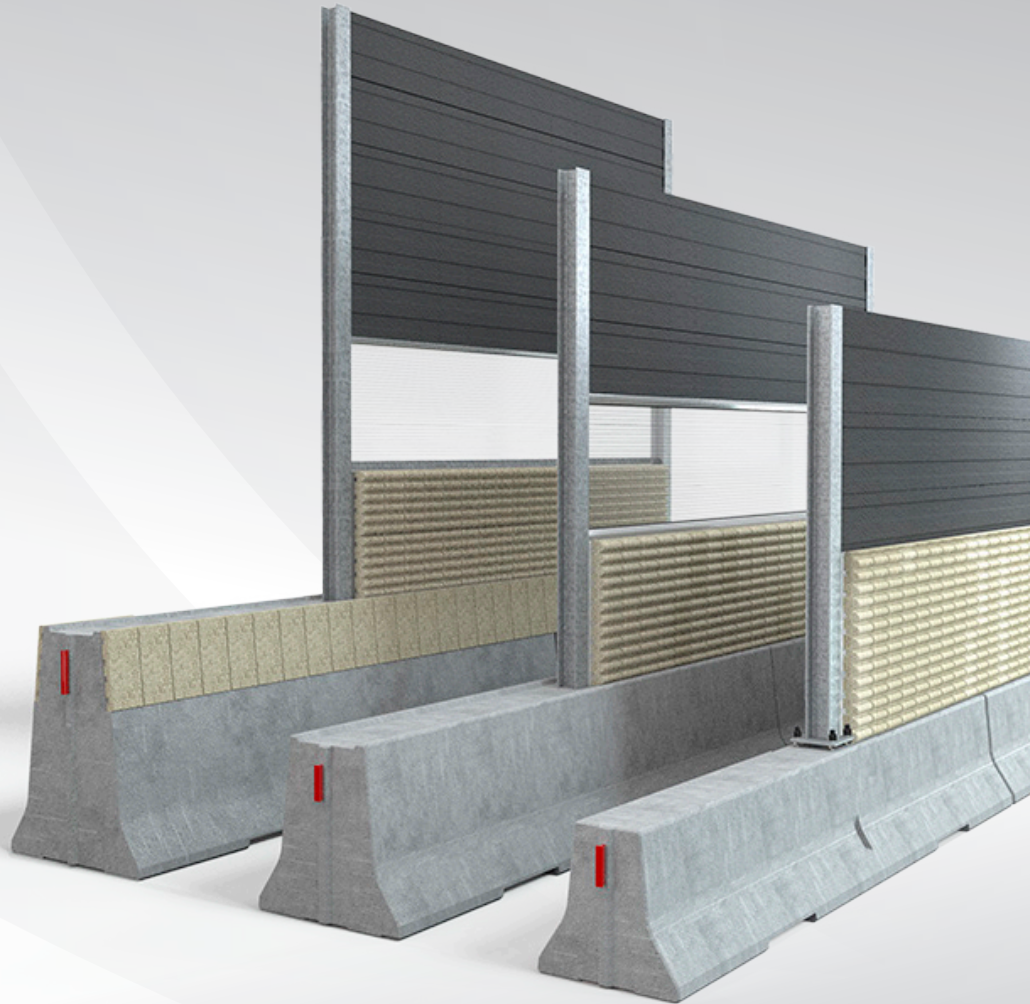


DB NBF SERIES



PHONOBLOC®
NOISE BARRIERS

Surface mounted or pinned

DB NBF SERIES **NOISE BARRIER SYSTEM**



PHONOBLOC®
NOISE BARRIERS

GETTING NOISE UNDER CONTROL

Developed to reduce noise and hold back errant vehicles,
surface mounted, for H2 and H4b containment.



DB NBF SERIES COMES SURFACE MOUNTED UP TO A HEIGHT OF 6.0 M

It can take all the wind loads according to Eurocode standard — no foundation required.

A noise barrier system must meet all requirements of a structural construction. The DB NBF Series is a surface mounted or pinned modular system. It is crash tested and certified as an EN 1317 restraint system and engineered according to Eurocode for full technical acceptance as a static structure. Additionally the DB NBF Series fulfills all acoustic requirements according to EN 14388.

Structurally engineered
to withstand
**impacts,
traffic vibration,
wind & snow loads**



INDIVIDUAL DESIGN WITH CONCRETE, WOOD, METAL, PLASTIC OR TRANSPARENT PANELS

The DB NBF concept allows the integration of all typical panel types, independent of material or design.

The DB NBF base unit acts as a heavyweight foundation for the whole system. Standard steel columns are inserted on site. In the longitudinal direction, the system runs parallel to the gradient of the roadway up to a maximum longitudinal gradient of 6%.

Setting up the DB NBF Series in
three easy steps:

- ▶ **Placing the base unit**
- ▶ **Inserting the steel column**
- ▶ **Inserting the individual panels**

PHONOBLOC®

FULLY CE-CERTIFIED AND TESTED

- ▶ According to EN 1317-5
- ▶ Containment levels H2 and H4b
- ▶ Up to 20dB reduction according to EN 1793-1
- ▶ Statics according to EUROCODE

FULLY MODULAR

- ▶ All types combinable
- ▶ Connectable to H2 DB 80 Series
- ▶ Connectable to H4b DB 120 Series
- ▶ Connectable to STEELBLOC®

APPLICATIONS

- ▶ Double sided
- ▶ Central reserve or verge
- ▶ Temporary or permanent

DESIGN

- ▶ Noise protection panel freely configurable (concrete, translucent, aluminium, timber)
- ▶ Individual colour selection
- ▶ Steel supports concreted in or screwed as temporary application (TA) possible



SURFACE MOUNTED



PINNED ON ASPHALT

PROPERTIES

Surface mounted
H2 | W4 | B
H4b | W5 | B

DB 80 NBF (Base unit)
Width / Height / Length
0.83 / 0.80 / 5.0 m

Pinned on asphalt
H2 | W3 | B

DB 100 NBF (Base unit)
Width / Height / Length
1.05 / 1.0 / 5.0 m

DB 150 NBF (Base unit)
Width / Height / Length
1.25 / 1.5 / 5.0 m

NBF Wall
Height in 0.5 m steps
Up to 6.0 m

VARIABLE PANELS FROM TOTAL HEIGHT

DB 80 NBF 2.0M
DB 100 NBF 2.0M
DB 150 NBF 2.5M

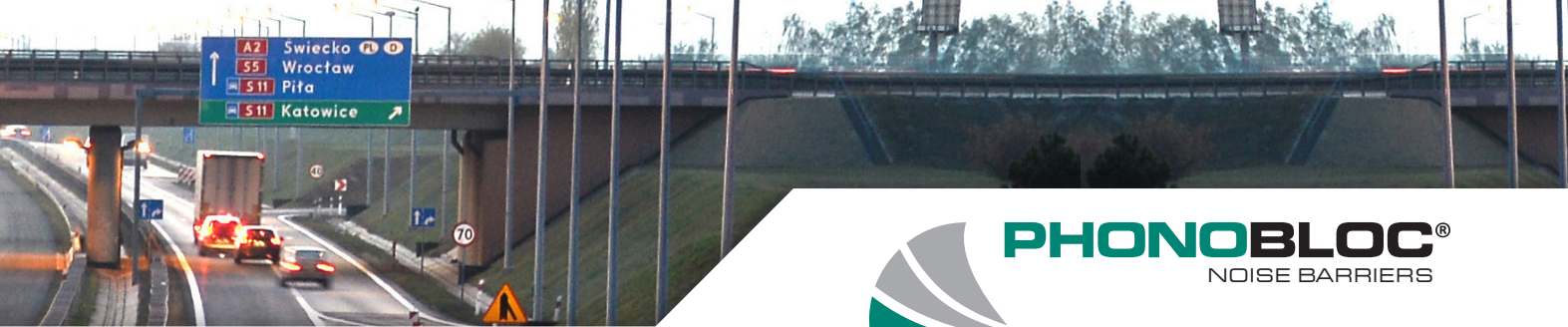
AHB (Aluminium lightweight Panels)
BHB (Wood-Concrete Panels)
Metallic Panels
Transparent Panels
Timber Panels
Dust Protection Panels
Wind Protection Panels
Other Panels

APPLICATION FOR TEMPORARY AND / OR PERMANENT USE

Most flexible & economic dual-use:
for temporary construction site protection and / or for permanent road safety and noise protection

DB NBF SERIES PRODUCT RANGE

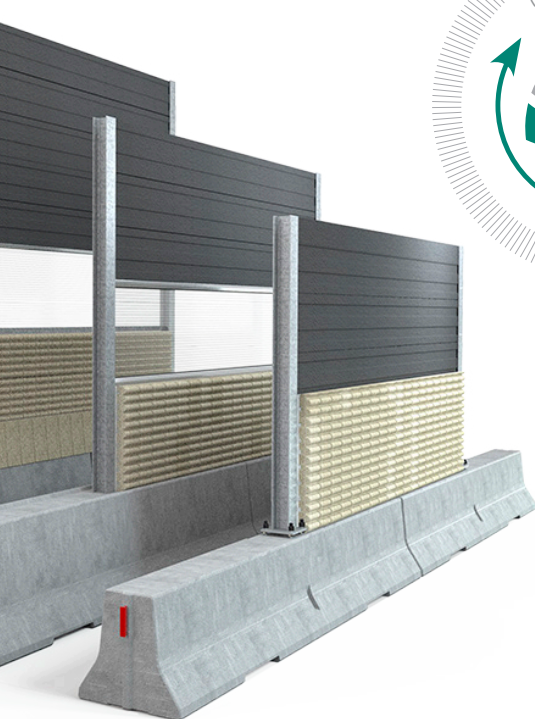
Type	Performance	Installation Method
DB 80 NBF 200-350	H2 W3 B	pinned on asphalt
DB 100 NBF 200-450	H2 W4 B	surface mounted
DB 150 NBF 250-600	H4b W5 B	surface mounted



DB NBF SERIES

BEING AS CLOSE AS POSSIBLE TO THE SOURCE OF NOISE

The DB NBF Series is part of DELTABLOC®'s holistic passive traffic safety concept. Designed and tested to act as both a vehicle restraint system and a noise barrier it can be placed much closer to live traffic than ordinary noise barriers. Through SafeLink® Transitions it can be connected seamlessly to the DB 80 Series, the DB 120 Series, STEELBLOC® and many other third-party systems.



CENTRAL RESERVE AND VERGE

The DB NBF Series protects double sided against noise and errant vehicles

VARIABLE HEIGHT

The DB NBF Series can be set up to a height of 6.0 m surface mounted

H2 & H4B / UP TO 20DB

Highest containment level, highest noise protection

SPECIAL SOLUTIONS

Transitions to other safety barrier types, terminals, emergency doors, etc.

FULL STATIC CALCULATION

The DB NBF Series always comes with a full static calculation according to EUROCODE

DB NBF SERIES loves simplicity

The mounting surface needs to be stable and supporting, and this comes automatically with any standard road construction.

No need for foundations, deep piling or concrete works. No need for digging, excavating, mixing or drying. No need for heavy construction equipment. Just place the DB NBF base element on a stable ground, insert the steel columns and fit in the acoustic panels.

Short construction times are guaranteed.

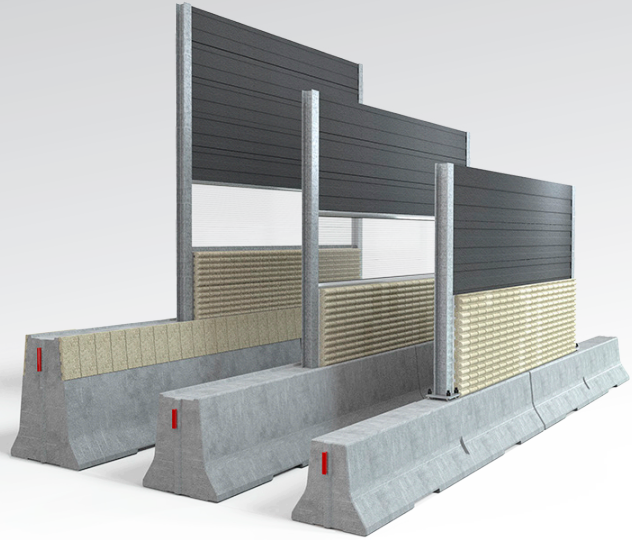


Protection

- double sided
- double sided
- double sided

THE DB NBF SERIES ABSORBS NOISE AND IMPACTS

The surface mounted or pinned DB NBF series is an integrated noise barrier and meets H2 & H4b restraint classes.



KIRCHDORFER
ROAD & TRAFFIC

DELTABLOC®
HOME OF ROAD SAFETY

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