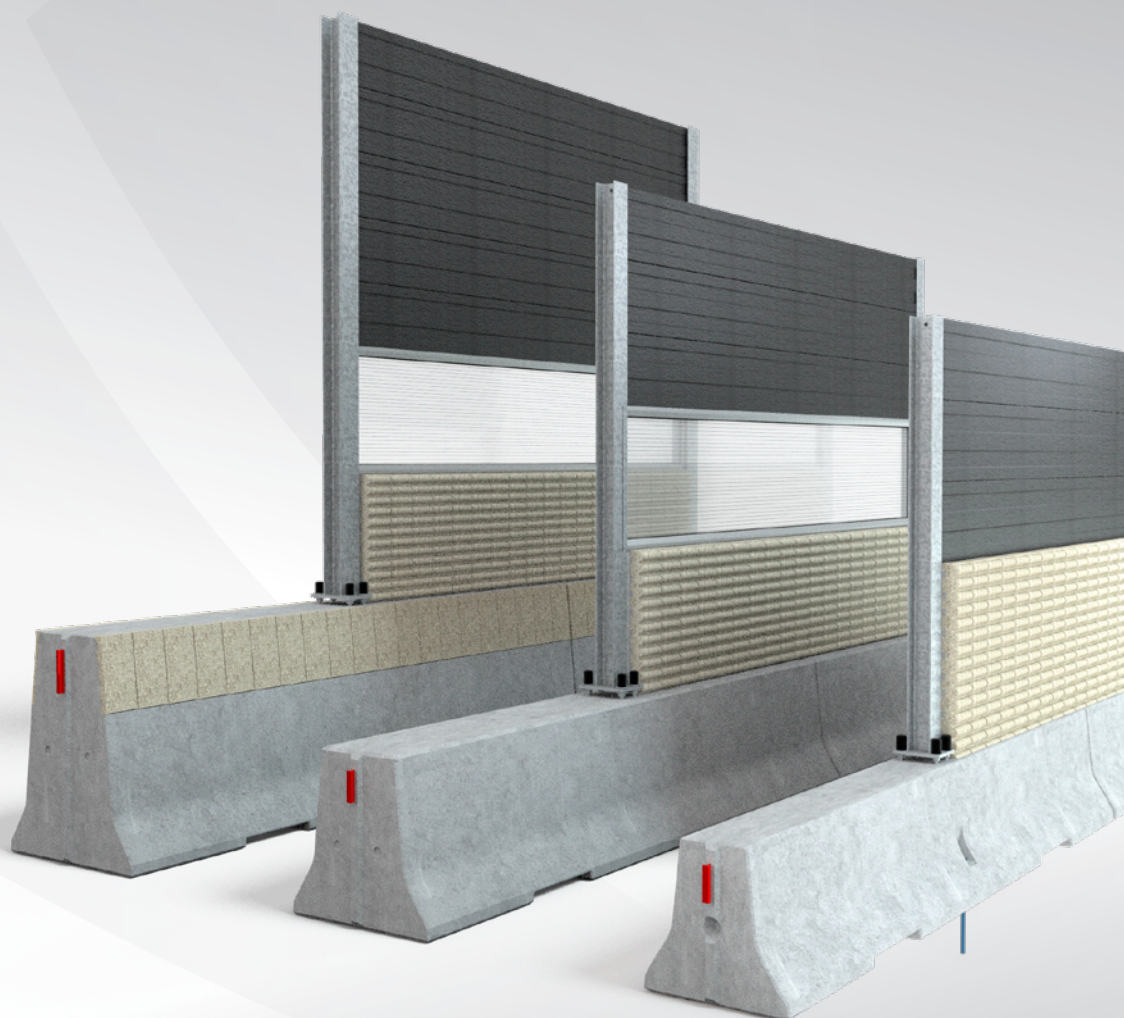


DB NBF SERIES



PHONOBLOC®
NOISE BARRIERS

Ready for all panel types

DB NBF SERIES **INTEGRATED 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

READY FOR ALL PANEL TYPES

It can take all the wind loads in accordance with Eurocode standard — no foundation required.

A noise barrier system must meet all requirements of a structural construction. The DB NBF series can be used surface mounted, pile driven, pinned or anchored without a foundation on a temporary or permanent basis. It is crash tested and certified as an EN 1317 restraint system and engineered in accordance with Eurocode for full technical acceptance as a static structure. Additionally the DB NBF series fulfills all acoustic requirements in accordance with 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

- ▶ In accordance with 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 (TA) possible



**SURFACE
MOUNTED**



**PILE DRIVEN
ON SUBSOIL**



**PINNED
ON ASPHALT**



**ANCHORED
ON CONCRETE**

PROPERTIES

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

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

Pile driven on subsoil
H2 | W3 | B

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

Pinned on asphalt
H2 | W3 | B
H4b | W4 | B

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

Anchored on concrete
H2 | W3 | B

NBF Wall
Height in 0.5 m steps

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

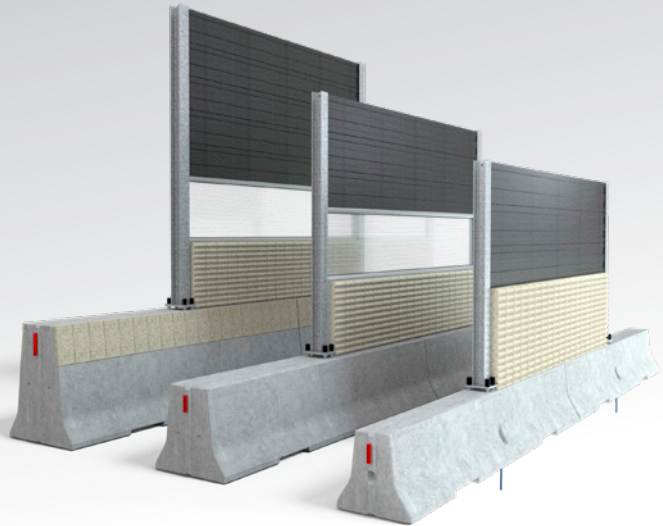
Most flexible & economic dual-use:
for temporary construction site protection and / or for
permanent road safety and noise protection

DB NBF SERIES PRODUCT RANGE

Type	Performance	Installation Method
DB 80F NBF	H2 W3 B	pile driven on subsoil
DB 80P NBF	H2 W3 B	pinned on asphalt
DB 80A NBF	H2 W3 B	anchored on concrete
DB 100 NBF	H2 W4 B	surface mounted
DB 100P NBF	H4b W4 B	pinned on asphalt
DB 150 NBF	H4b W5 B	surface mounted

THE DB NBF SERIES ABSORBS NOISE AND IMPACTS

The integrated noise barrier
fulfills containment levels H2 & H4b.



KIRCHDORFER
ROAD & TRAFFIC

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DELTABLOC®
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