

REBLOC NBL100X/200-450_5

Noise Barrier System



tested according to EN1317-1/2

Application
Integrated noise barrier

Installation
Free standing



Vehicle restraint system

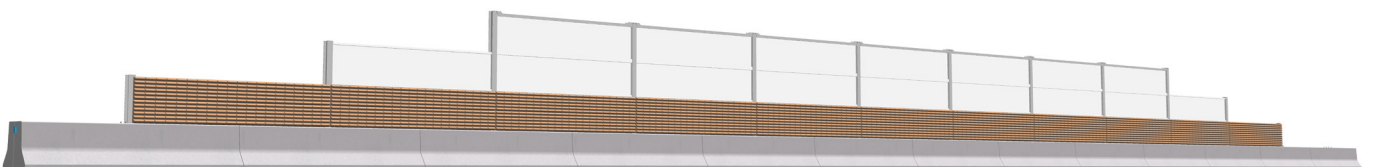
Containment level **H2** (covers H1, N1, T3, T2 and T1)
Working width **W4** (covers W5, W6, W7 and W8)
Impact severity level **ASI B**

Noise barrier system

Sound absorption DL_{α} **class A3 or A4** acc. to EN1793-1 depending on the sound absorber material
Airborne sound insulation DL_{R} **min. class B3** acc. to EN1793-2 depending on the used panels
Sound reflection DL_{RI} depending on the used panels acc. to EN 1793-5 (in situ)
Airborne sound insulation DL_{SI} **class D2 or D3** acc. to EN1793-6 (in situ) depending on the used panels

Product features & Advantages

- Space gain due to combination of vehicle restraint system and one-sided noise barrier
- High noise protection effect through low distance to source of noise
- Quick installation due to simultaneous mounting of vehicle restraint system and noise barrier
- Different materials, colours and design as sound absorption material possible



The REBLOC® integrated noise barrier can be economically and space-savingsly integrated into road construction. The slim overall width of the system of 105 cm ensures optimal use of the available space. The installation is independent of the underground. The concrete elements are connected

by the patented REBLOC® coupling. The panels are inserted between the screwed steel beams from above. Thanks to the modular design, various highly absorbent panels made of concrete, aluminium or acrylic glass can be combined, resulting in numerous architectural design options.

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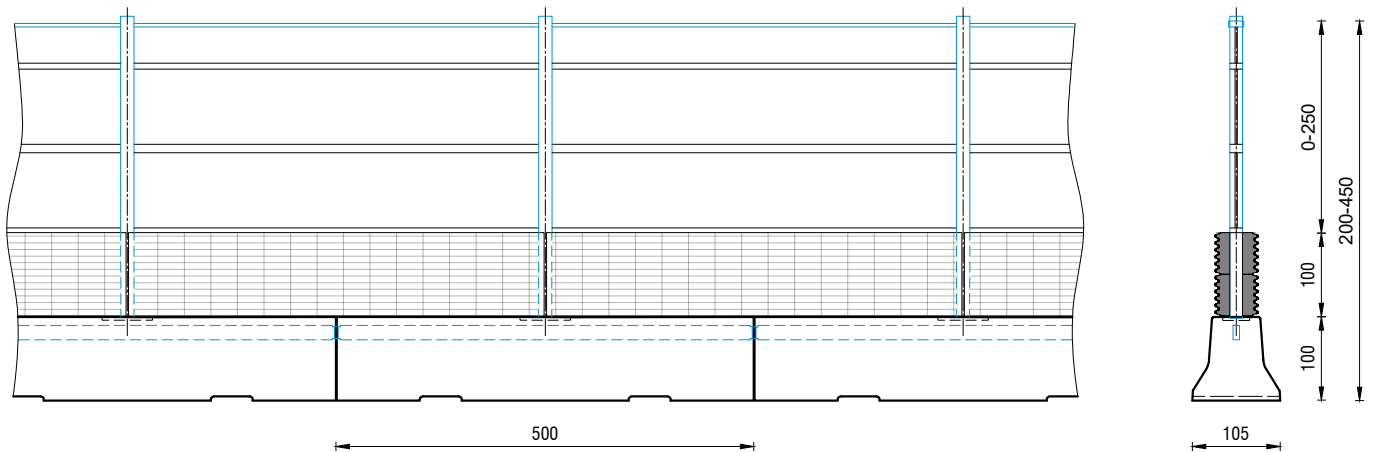
Noise Barrier System

H2

W4

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Technical data



all dimensions in cm

Containment level	H2
Working width	W4
Impact severity level	ASI B
Vehicle intrusion	VI2
Aufstellung	free standing on compacted soil/asphalt/concrete
Terminal elements	not necessary, optional available
Base element NBL100X_5 Dimensions L x W x H in cm weight	500 x 105 x 100 cm 8000 kg
Concrete panel with absorber NBL100_5 Dimensions L x W x H in cm weight	497 x 35 x 100 cm 2300 kg
Transparent panel with acrylic glass (T7) Dimensions L x W x H in cm weight	495 x 13 x 100 cm 116 kg
Panel with alu frame (TA3-b) Dimensions L x W x H in cm weight	496 x 12 x 50 cm 68 kg
Minimum installation length	65 m (13 base elements, 11 panel fields)
Curve radius	$r \geq 170$ m
Coupling/exposed steel parts	fully integrated, exposed parts hot-dip galvanized
CE certification	✓
Miscellaneous	Different materials, colors and creative designs are available as sound absorption material. Different heights are available on request.