

REBLOC NBL100X/200-450-5

Noise Barrier System

Application

Integrated noise barrier

Installation

Free standing

H2

W4



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



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.

0115 983 2304

sales@hardstaffbarriers.com | enquiries@hardstaffbarriers.com

A Division of Hill & Smith Ltd, Hillside, Gotham Road,
Kingston-on-Soar, Nottingham, NG11 0DF

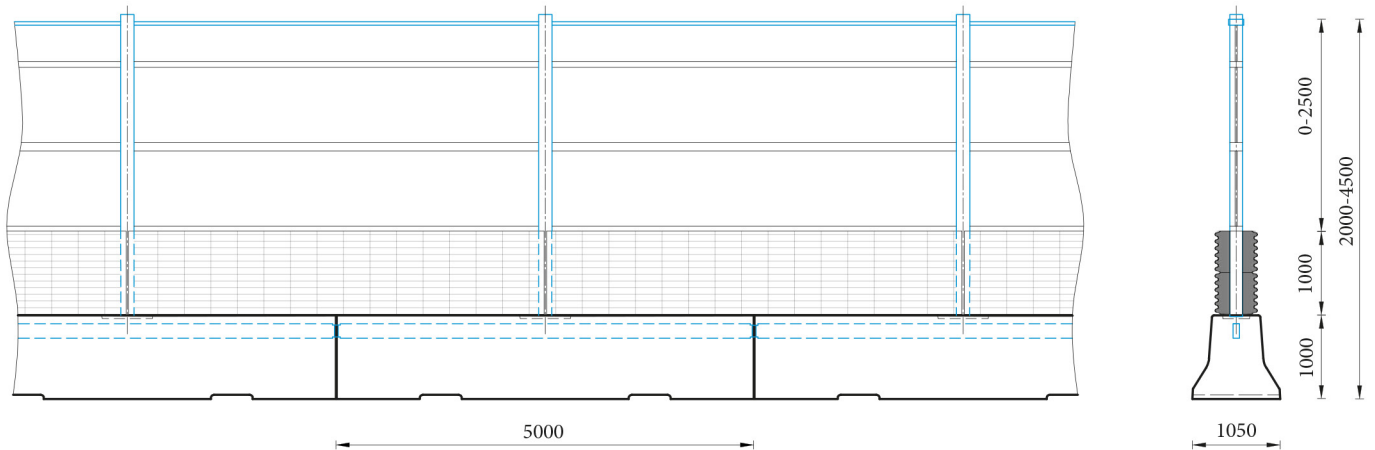
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Noise Barrier System

H2

W4

Technical data



all dimensions in mm

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| Containment level | H2 |
| Working width | W4 |
| Impact severity level | ASI B |
| Vehicle Intrusion | VI2 |
| Installation | free standing on compacted soil/asphalt/concrete |
| Terminal elements | not necessary, optional available |
| Base element NBL100X_5 Dimensions L x W x H in mm weight | 5000 x 1050 x 1000 mm 8000 kg |
| Concrete panel with absorber NBL100_5 Dimensions L x W x H in mm weight | 4970 x 350 x 1000 mm 2300 kg |
| Transparent panel with acrylic glass (T7) Dimensions L x W x H in mm weight | 4950 x 130 x 1000 mm 116 kg |
| Panel with alu frame (TA3-b) Dimensions L x W x H in mm weight | 4960 x 120 x 500 mm 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 |
| Miscellaneous | Different materials, colours and creative designs are available as sound absorption material. Different heights are available on request. |
| CE certification | ✓ |