
RE
BLOC®
Concrete Barriers
INTEGRATED
NOISE BARRIER

MAXIMUM NOISE PROTECTION PAIRED WITH RELIABLE ROAD SAFETY



Effective noise protection is an essential part of road infrastructure – both, temporarily during construction, and permanently along the finished road.

The construction of a conventional noise barrier is often complicated due to various installations in the underground (cables, drainage, pipelines, etc.).

REBLOC offers an innovative solution that combines a concrete safety barrier with an integrated noise barrier. The great advantage of the integration is to be closer to the noise source and build lower. Variations of free-standing and anchored installations are possible. The combined safety barriers are tested according to EN 1317-2 and meet the most stringent safety and quality standards. Additionally, the system is tested for noise protection in accordance with EN 1793. The system offers solutions for containment levels H2 and H4b for heights from 2m up to 6m. Due to the modular design, various noise absorbing materials such as wood-concrete, aluminum or acrylic class can be combined, allowing for the highest possible design freedom. By integrating the noise protective barrier into the safety barrier, less space is needed, which results in more room for traffic lanes. The fast and weather-independent installation of the precast barriers offers additionally great advantages when it comes to conversion work or widening of the road cross-section.





Essential advantages of the REBLOC noise barrier:

- No additional space required, as safety barrier and noise barrier system are combined into a single element
- Minimal distance from the noise source
- Free standing on compacted gravel/asphalt/concrete or anchored in concrete
- Quick and easy planning

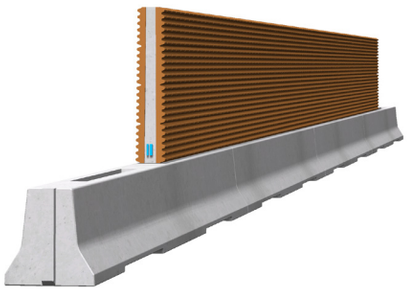






L2/H2 W4

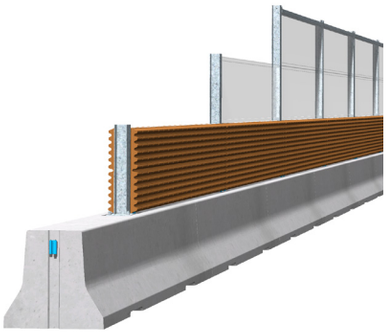
REBLOC NB100/300_8



Containment level	**L2/H2**
Working width	**W4 (W_N ≤ 1.3 m)**
Impact severity level	**ASI B**
Width	**95 cm**
Overall height	**300 cm**
Airborne sound insulation DL_{SI}	**class D4 acc. to EN 1793-6 (in situ)**
Installation	**free standing on asphalt | concrete**
Minimum installation length	**64 m (8 base elements, 7 panels)**

L2/H2 W4

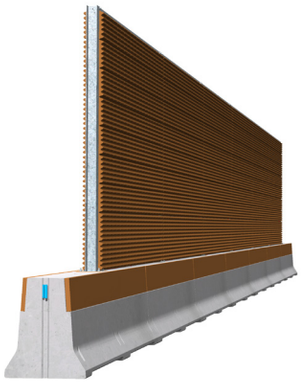
REBLOC NBL100X/200-450_5



Containment level	**L2/H2**
Working width	**W4 (W_N ≤ 1.3 m)**
Impact severity level	**ASI B**
Width	**105 cm**
Overall height	**200-450 cm**
Sound absorption DL_{α}	**class A3 or A4 acc. EN 1793-1** depending on the used panels
Airborne sound insulation DL_R	**min. class B3 acc. EN 1793-2** 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. EN 1793-6 (in situ)** depending on the used panels
Installation	**free standing on compacted soil | asphalt | concrete**
Minimum installation length	**65 m (13 base elements, 11 panels)**

L4b/H4b W5

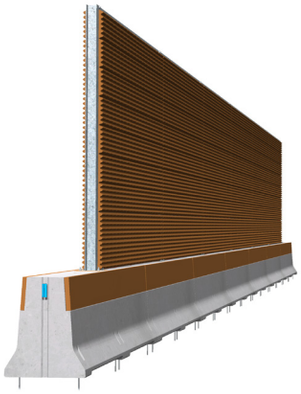
REBLOC NBH150XA/250-600_5



Containment level	**L4b/H4b**
Working width	**W5 (W_N ≤ 1.7 m)**
Impact severity level	**ASI B**
Width	**125 cm**
Overall height	**250-600 cm**
Sound absorption DL_{α}	**class A3 or A4 acc. EN 1793-1** depending on the used panels
Airborne sound insulation DL_R	**min. class B3 acc. EN 1793-2** depending on the used panels
Sound reflection DL_{RI}	**3-6 dB acc. EN 1793-5 (in situ)** depending on the used panels
Airborne sound insulation DL_{SI}	**class D2 or D3 acc. EN 1793-6 (in situ)** depending on the used panels
Installation	**free standing on compacted soil | asphalt | concrete**
Minimum installation length	**65 m (13 base elements, 12 panels)**

L4b/H4b W4

REBLOC NBH150XA/250-600_5_8A



Containment level	**L4b/H4b**
Working width	**W4 (W_N ≤ 1.3 m)**
Impact severity level	**ASI B**
Width	**125 cm**
Overall height	**250-600 cm**
Sound absorption DL_{α}	**class A3 or A4 acc. EN 1793-1** depending on the used panels
Airborne sound insulation DL_R	**min. class B3 acc. EN 1793-2** depending on the used panels
Sound reflection DL_{RI}	**3-6 dB acc. EN 1793-5 (in situ)** depending on the used panels
Airborne sound insulation DL_{SI}	**class D2 or D3 acc. EN 1793-6 (in situ)** depending on the used panels
Installation	**anchored (8 x adhesive anchors M20 in concrete foundation)**
Minimum installation length	**35 m (7 base elements, 6 panels)**

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for further Information visit
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