

NOISE-REDUCER® Noise Barrier

Types SA-36, SA-45 en DA-45

Effective, high absorbing and affordable!



The Noise-Reducer® Noise Barrier is a lightweight construction with high insulation and absorption properties. On either the noise-side or on both sides of the panel a galvanised steel wire-net and a polyethylene separator-net secures a layer of high absorptive mineral wool.

These pre-fabricated panels are ideal for reducing noise pollution from roads, neighbours or machinery and can also easily be grown with climbing plants. The Noise-Reducer® Noise Barrier is a Dutch designed sandwich-construction and is manufactured in the Netherlands.

Advantages

- High sound insulation and sound absorbing
- Quieter garden, privacy and security
- Panel customization in width and height
- Easy to install manually up to max. 3m height
- Narrow construction of max. 10cm depth
- Excellent coverage with climbing plants, like Ivy or Virginia Creeper
- Competitive prices and short delivery time
- Maintenance-free and long life expectancy > 25yrs

Installation

The Noise-Reducer® Noise Barrier can be assembled quickly in one's own garden making this product particularly suitable and affordable for homeowners. Prefab panels are mounted between galvanised steel H-posts with self-tapping screws. The posts are set in a dug or drilled hole with pre-mixed concrete.



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Types and properties

	Types of Noise-Reducer® Noise Barrier:		
Description:	NR SA-36	NR SA-45	NR DA-45
Sound Absorption EN1793-1	8dB (on one side), Cat. A3	11dB (on one side), Cat. A3	6dB (on both sides), Cat. A2
Sound Insulation EN1793-2	Rw=30dB, D _{Lr} =25dB, Cat. B3	Rw=30dB, D _{Lr} =25dB, Cat. B3	Rw=30dB, D _{Lr} =25dB, Cat. B3
Panel-weight	15-21 kg/m ²	16-22 kg/m ²	16-22 kg/m ²
Max. panelwidth	250cm	300cm	300cm
Panel thickness	40mm	50mm	50mm
Remark	Cost-optimised design	Extra high absorption	Absorption on both sides

Other specifications:

- Standard panels dim.: W249xH200cm, W200xH250cm or W249xH100cm
- Custom specific dim.: Any size rounded at 0,5cm, upto maximum width and height of 3m
- Standard colour: Darkgreen RAL6007 or antracite RAL7016 (coated steel plate and PE-separator netting)
- Optional colours: 20 other colours like olive green, grey, black or wood-design (only for SA types)
- Uprights: Galvanised IPE post, with pre-drilled mounting holes and panel-supports (optional powder coated)
- Foundation: In drilled or dug hole, filled with 30-60L pre-mixed concrete
- Optional:
- Combination with transparent panels
 - Concrete gravel board under panels
 - Noise-Reducer® door with cylinder lock
 - Single or double aluminium entrance-gates (powdercoated in RAL colour)

Technical Specifications

Kokosystems can supply all possible required documents for a planning application or building-permit. Construction and overview drawings, acoustic test-reports, structural calculations, declaration of performances and pictures of reference projects are available.

Eco Friendly Recyclable Product

A Noise-Reducer® Noise Barrier is fully recyclable. The core of a Noise-Reducer® sound Panel is a solid plate of durable non-organic, sound-insulating and absorbing mineral wool. Climbing plants reduce fine dust and CO₂ content in the air!

Plant Coverage and maintenance

The construction itself is maintenance-free. When planted with climbing plants the Noise-Reducer® Noise Barrier will be quickly become covered with plants, as the screen is ideally suited for climbing plants' aerial roots. Climbing plants may require some pruning over time.

MORE INFORMATION:

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