

# NOISE-REDUCER® Noise Barrier

Types DA-80 en SA-80

Effective, high absorbent and versatile!



*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, industrial areas or machinery. The Noise-Reducer® Noise Barrier is a Dutch designed sandwich-construction and is manufactured in the Netherlands.*

#### **Advantages**

- High sound insulation ( $R_w = 30\text{dB}$ ) and sound absorption ( $DL_a = 11$  or  $17\text{dB}$ )
- Direct quietness, privacy and safety
- Panel customisation in width and height
- Narrow construction of max. 10 cm 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 by contractors or gardeners. The Noise-Reducer® Noise Barrier is assembled modularly. Prefab panels are mounted between galvanised steel H-posts with self-tapping screws. The posts are set in an excavated hole with pre-mixed concrete.





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## Types and properties

	Types of Noise-Reducer® Noise Barrier:	
Description:	Noise-Reducer® DA-80	Noise-Reducer® SA-80
Specification	Double absorptive: Mineral wool and nettings on both sides	Single absorptive: Mineral wool on one side, coated plate on backside
Sound Absorption EN1793-1	11dB, Cat. A3	17dB (on one side), Cat. A5
Sound Insulation EN1793-2	Rw=30dB, D <sub>L</sub> =25dB, Cat. B3	Rw=30dB, D <sub>L</sub> =25dB, Cat. B3
Panel-weight	25-34 kg/m <sup>2</sup>	24-33 kg/m <sup>2</sup>
Max. panel width	396cm	396cm
Max. panel height	150cm	150cm
Panel thickness	90mm	90mm
Remark	Cost-/ Acoustic optimized design	Extra high absorption

## Other specifications:

Standard panel with:	396cm, 296cm and 249cm
Standard panel height:	150cm, 100cm, 80cm and 50cm
Panel frame:	galvanised steel EN1461 (optional powder coated)
Standard Colour:	PE-separator netting: darkgreen RAL6007 or anthracite RAL7016 (SA-80 has matching plate colour)
Optional colours:	20 other colours p.e. anthracite, olive green, grey, black or wood-design for insulation plate (only by type SA-80)
Uprights:	Galvanised IPE or HEA posts, with pre-drilled mounting holes and panel-supports or posts with foodplate.
Foundation:	In excavated hole, filled with concrete
Optional:	<ul style="list-style-type: none"> <li>- Combination with transparent panels</li> <li>- Concrete gravel board under panels</li> <li>- Noise-Reducer® door with cylinder lock</li> <li>- Single or double aluminium entrance gates (powder coated in RAL colour)</li> </ul>

## 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 CO<sub>2</sub> 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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