



Noise Barrier WHIS®Wall

The WHIS®wall combines a low noise barrier with a weathering steel diffractor. That amounts to 1 meter in height, all in all. It achieves a 7 to 9 dB noise reduction, equal to a 3 meter regular noise barrier.

Product Characteristics

The noise barrier WHIS®Wall work through the principle of diffraction. This gives our products many benefits compared to other solutions: they leave views intact, they're cheaper, and they're simple and fast to install. They can also easily achieve extra noise reduction in existing situations.

The frequency range for the WHIS®Wall is 400 to 2000 Hz and the weight is approximately 1000 kg/meter at a concrete strength of C40/50.

- High noise reduction
- Cost-effective solution
- Easy to install
- Does not disturb the view

Material properties

- Options:
 - *Diffracting part*
 - Corten steel
 - Aluminum
 - Galvanized
 - Coated
 - *Substructure*
 - Absorbent concrete
 - Reflective concrete
 - Gabion
 - Stone strips

Product Applications

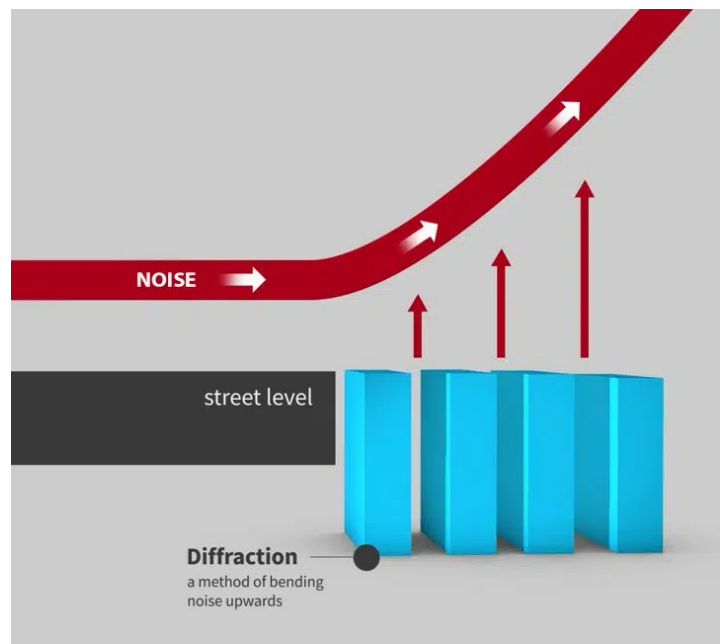
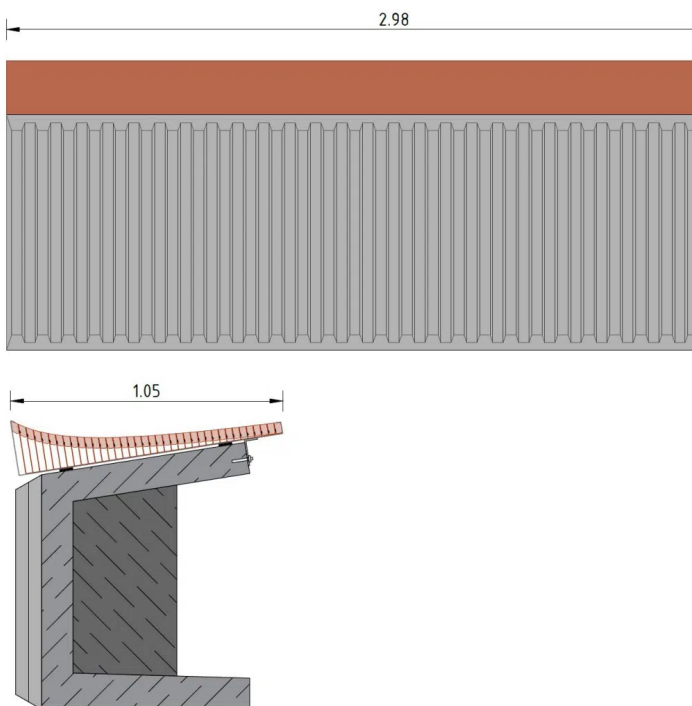
The WHIS®wall is suitable for various kinds of infrastructure where traffic noise is a problem.

- Railroads
- Linkroads
- Country roads
- Distributor roads
- Highways

Noise Level Field Test

Notice the increase in noise level when the car has passed the WHIS@Wall. The noise barrier ends in the center of the recorded footage.

Technical Specifications





WHIS®Wall technical specifications

whis-wall-technical-specifications.xlsx

Properties

Standard dimensions:	2980 x 1020 x 1020 mm
Reduction frequency range:	400 – 2000 Hz
Strength class:	C40 / 50
Reduction:	7 to 9 dB
Weight:	ca 1000 kg / meter

Installation

Mounted with a custom clamp
The WHIS®wall requires only a flat and strong foundation
You can produce up to 300 meters per day
Maintenance: just once a year

Downloads



Noise reduction
TNO report –
TNO+2021+R10471
| English



Contact information

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