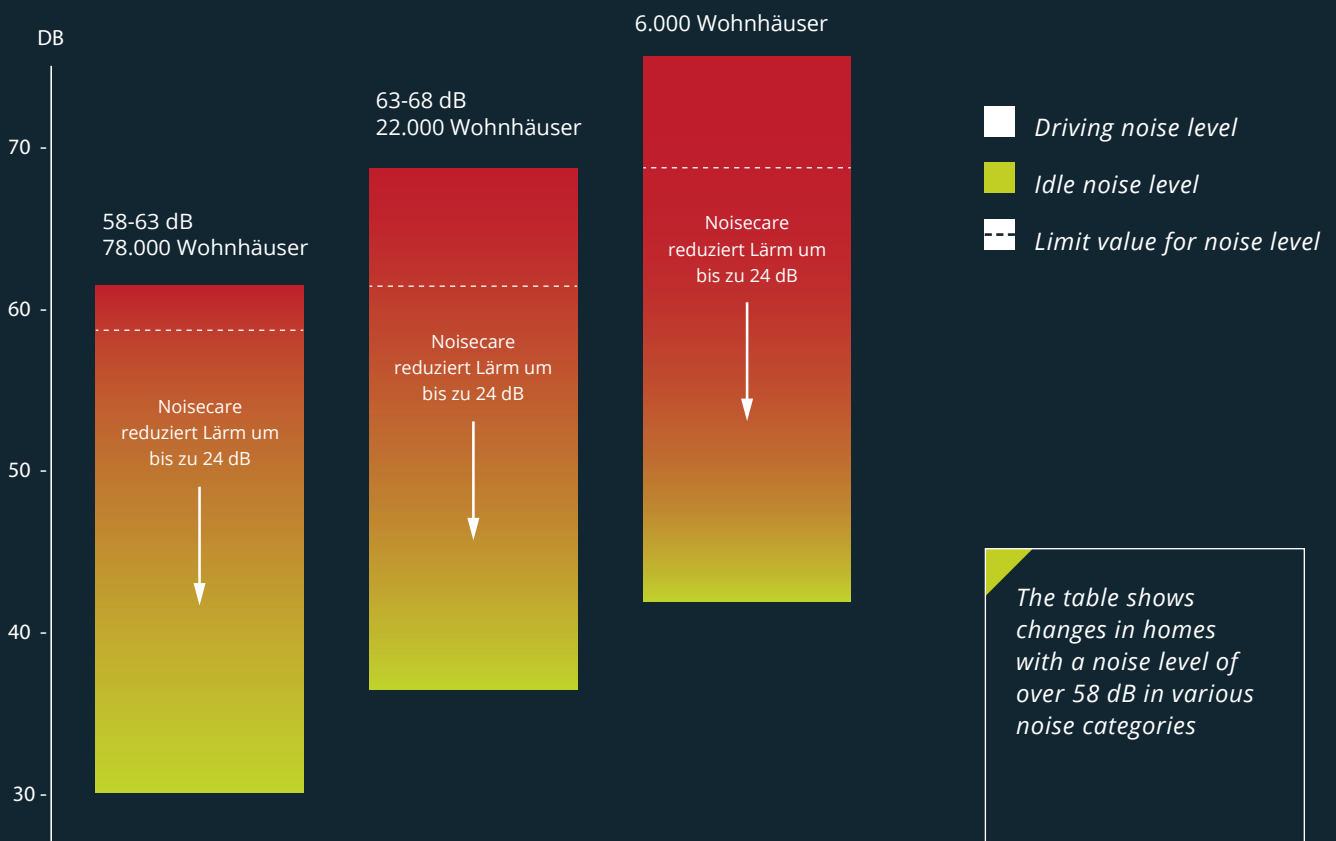


This is how You raise the value of your home...

It is expected that the amount of traffic on the roads will increase in the future. The development of traffic will therefore cause the noise from the roads to increase. This creates more noise-laden homes. With Noisecare, you can prevent noise pollution and create a better environment in noise-prone areas or on your own cadastre.



Noisecare specifications

THE NOISECARE FENCE HAS BEEN DEVELOPED AS A SPECIAL MODULE

The fence consists of finished modules in standard dimensions with fixed height and width per section. Due to the design of the modules, the noise fence can follow the natural bends and curves of the road. Any level differences in the terrain can also be compensated for, so that the best possible noise reduction is achieved.

THE STRUCTURE OF THE NOISECARE MODULE

Noisecare is a "module solution", which consists of pre-assembled modules ready for installation. Each module consists of a noise-absorbing core material covered with a diffusion-open and UV-stabilized membrane, which is held in place by a surface-treated steel mesh.

A special internal bracing system ensures optimal stability and an exceptionally strong and durable construction. The modular solution allows for simple and quick setup. When the posts are in place, the finished modules are mounted between the posts

CORE MATERIAL

Noisecare dampens the noise when it is absorbed. Noisecare's noise-reducing core material consists of specially manufactured stone wool. The Noisecare core material is "frost-resistant". The core does not absorb water, which prevents frostbite. The Noisecare core material has a very high density, which provides optimal sound attenuation.

MEMBRANE

The Noisecare membrane ensures a robust surface in the event of mechanical impact. The Noisecare membrane protects the core material so that optimal noise reduction is maintained even after many

years of use. The Noisecare membrane enables sound to pass through so that the noise can be absorbed. The Noisecare membrane is "diffusion open" and thus ensuring that moisture can pass through. The Noisecare membrane is UV stabilized, which gives the membrane and not least the core material a long life.

ASSEMBLY

The modules are supplied with pre-drilled holes so that they can be easily and quickly held up to the holes on the posts and then mounted. We recommend casting the posts firmly with post concrete or similar material.

PRODUCT INFORMATION

Double steel frame made of cold-formed angle steel 30 x 30 x 2 mm with welded wire mesh 200 x 50 mm. The filling is made of 50 mm stone wool sheets.

An additional green or black PE wire mesh is inserted between the wool and the steel frame.

Noisecare Absorb F1 Extreme has a 0.8 mm steel plate in the middle to achieve high reflection.

The modules have mounting flanges, which make mounting quick and easy, and only sheet metal screws are required for attachment to the posts.

Noisecare specifications

SPECIFICATIONS

Noisecare Absorb F1 Extreme
 Insulation: 24 dB Rw , 21 dB DLR
 aw = 0,75 absorption class C
 Absorption: DLa,NRD = 10 dB

FIRE RESISTANCE

Yes, only on the stone wool

GUARANTEE

30-year guarantee – the durability of the frames, class C3 according to PN-EN ISO 1461

WIND RESISTANCE

Can withstand 1.25 kN/m² (wind up to 30 m/s)

WEIGHT

Noisecare 2410 x 1000:
 45 kg/17.92 kg per m²

COLORS (RAL)

Standard Anthracite 7016 and Black 9005,
 all other Ral colors on request

GALVANIZING

EN-ISO 2178 and galvanized with 98 µm

MEASUREMENTS

Width: 246 cm - incl. frame
 Height: 80 or 100 cm
 Thickness: 60 mm

See a visualization of the construction in the pictures below

SHIPMENT

Truck:
 250 pcs. panels in the dimensions 2410 x 1000

Container:
 20-foot container with 120 pcs. panels in the dimensions 2410 x 1000
 40-foot container with 240 pcs. panels in the dimensions 2410 x 1000

