

Noisecare datasheet

Shh the silence comes with Noisecare



Noisecare fence has been developed as a special module. The fence consists of pre-assembled modules in standard dimensions with fixed heights and width per section, the design of the modules allows the noise fence to follow the natural bends and curves of the road. Any level difference in the terrain can also be offset so that the best noise reduction is achieved.

Noisecare datasheet

The 4 colors

- Galvanized – Hot galvanized
- Black – Hot galvanized and powder coated
- Anthracite – Hot galvanized and powder coated
- Green – Hot galvanized and powder coated

Steel posts for Noisecare

The posts are available in 4 different colors, all of which are galvanized and powder coated if other than galvanized is selected.

- Dimensions of the posts: 60 x 60 x 3500 mm
- Wall Thickness: 3 mm
- Postcap: A flat postcap cover manufactured in black plastic is included

Mounting

The modules come with pre-drilled holes where you can easily and quickly hold the modules up against one's posts and thereby mount them. We recommend casting the posts down with post concrete or similar material.

The Core Material

- Noisecare attenuates noise when absorbed.
- Noisecare noise-canceling core material consists of specially made stone wool made of molten diabase solidified as fibers.
- The Noisecare core material unites the great strength of the stone and the noise dampening capabilities of the fibers.
- Noisecare core material is "frost resistant". The core does not suck water and therefore, frostbite can be avoided.
- Noisecare core material has a very large room weight, which provides optimal acoustic dampening.

Membrane

- The Noisecare membrane ensures a robust surface against mechanical stresses.
- Noisecare membrane protects the core material so the optimum noise reduction is maintained, even after many years.
- Noisecare membrane allows the passage of sound so that the noise can be absorbed.
- The Noisecare membrane is "diffusion open" and thereby ensure the passage of any Humidity.
- Noisecare membrane is UV-Stabilized, which means long life of the membrane and not least the core material.

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Construction of The Noisecare Module

Noisecare is a "Module solution" which consists of preassembled modules ready for installation. Each module is made up of a core noise absorbing material lined with a diffusion-open and UV-stabilized membrane that is held in place by a surface-treated steel mesh.

The steel mesh has a mesh size of 50 x 200 mm and wire diameter is 5/6 mm. A special internal stiffening system ensures optimal stability and an exceptionally strong and durable construction. The module solution allows for easy, simple and quick setup. Once the posts are established, the preassembled modules are mounted between the posts.

- **Core Thickness:** (50 mm) – 27 dB
- **Width:** 256 cm – incl. frame
- **Height:** 100 cm
- **Thickness:** 60 mm
- **Mesh:** 5 x 200 mm
- **Inside Material:** Stone wool 50 mm
- **Exterior Material:** Metal
- See Photos Below for visualization of the construction



