



Sustainable noise fences for a quiet and comfortable living environment

Noise pollution is where ambient sound exceeds accepted comfort levels. Over time, undesirable noise can have serious health effects – either directly or indirectly. More than 40% of Europeans are exposed to noise that affects their health.

Noistop fences are designed to reduce traffic, residential, commercial and industrial noise. Noistop prevents noise pollution and helps people enjoy a more peaceful living and working environment.

Unique features

The core of ROCKWOOL Noistop is stone wool. Our aim is to bring high performance noise absorbing and noise insulating ROCKWOOL solutions together with durable and beautiful frames. That's why we cover our products with wooden or steel frames.

ROCKWOOL Noistop products have all the unique features and strengths of stone wool. Our stone wool blocks and absorbs noise, it is durable, non flammable and 100% recyclable.

Easy-to-install and multifunctional application

The slimline modules are available in different sizes, making it easy to fit them in between trees and bushes already in your garden or property. The modules should be installed between steel posts for a long lifetime of the fence. Noistop is suitable for many applications such as residential gardens, industrial facilities, commercial and public areas.

Sleek design

At ROCKWOOL Noistop we are dedicated to provide solutions that are beautiful and functional to create comfortable living environments. No matter what our end customers need, there is always a variant that match perfectly with the desired design of the fence.

Our product series such as Noistop Wood and Noistop Steel are created to meet aesthetic and

functional demands of end customers. Noistop Steel is designed to have climbing plants cover the fence to blend the fence with the surrounding nature and greenery. Noistop Wood is the solution to bring beautiful, natural wood into Scandinavian style fence.



About ROCKWOOL Group

There are many plans for green transformation in the world. Some have visions and goals for it all to be better in 2030 or 2050, but at ROCKWOOL we have an ambition to be at the forefront when it comes to sustainable transition. As a large production company, we are obliged to make an effort where it really matters. Hence the great investment in technology development that makes us independent of fossil energy.

Using less energy and fewer resource

We continuously look for ways to minimize our production footprint in energy and resource consumption.

In 2021 we reduced our CO₂ footprint by 16% against our goal of 10%.

Using as much green energy as possible

As we improve our technology to use less energy, we are also converting our factories to greener energy sources. For example in Poland we converted one of our production lines from coal to gas, in Denmark we converted two factories from coal to bio-gas and we converted a factory in France from coal to electric melting.

Our approach to sustainability

We take our responsibility for the environment very seriously. We comply with the ROCKWOOL Group award-winning environmental responsibility policy. Our stone wool acoustics are 100% recyclable and non-flammable. The quality of our products and a responsible environmental policy are key elements in the way we work.

Addressing climate hazards

By constantly innovating our products, we ensure that with our products we can help address some of the climate hazards such as fires and flash floods.

ROCKWOOL Group at a glance

11 968

employees across Europe, North America, Russia, and Asia

71

nationalities worldwide

51

manufacturing facilities

10

SDGs to which we have committed

6

Group-wide 2030 sustainability goals

2

Group-wide 2034 science-based targets



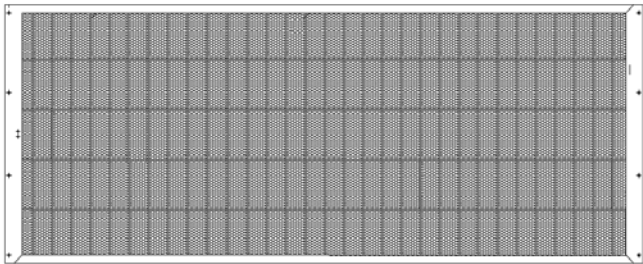
PRODUCT DATA SHEET

Noistop[®] Essential

Acoustic fence modules



Noistop[®] Essential



Material description

Acoustic fence modules made of hot-dipped galvanized steel, ROCKWOOL[®] stone wool acoustic material and black PE fabric.

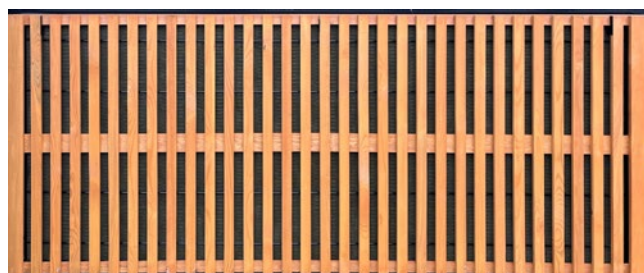
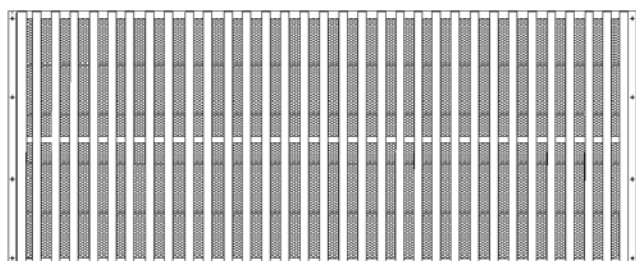
Module features

Features	Value
Galvanisation	Hot dip galvanized steel according EN ISO 1461:2011
Powder coating	Black RAL 9005, Anthracite RAL 7016
Sound insulation	DL _R 18 dB acc. DIN EN 1793-2 and RW 22 dB acc. ISO 717-1 (Class B2)
Sound absorption	DL _α , NRD 9 dB according to DIN EN 1793-1 (Class A3)
Wind load resistance	Tested to maximum load 0,83 kN/m ² according to EN1794-1
Durability	Typical service lifetime of +30 years

Product dimensions

Lenght [cm]	Height [cm]	Width [cm]	Weight per element [kg]	Elements per pallet (Bottom pallet)	Elements per pallet (Top pallet)
240	100 / 90 / 50	6	49 / 45 / 28	20 / 20 / 40	10 / 10 / 20
120	100 / 90 / 50	6	28 / 27 / 20	40 / 40 / 80	20 / 20 / 40
60	100 / 90 / 50	6	17 / 16 / 9	80 / 80 / 160	40 / 40 / 80

Noistop[®] Essential



Decorative wooden cladding

Features	Value
Wooden deco panel	1st Class European Pine Wood
Impregnation	User Class III according to EN 335:2013
Surface Finish	Natural and brown RAL 8003
Durability	Typical service lifetime of 10-15 years

Product dimensions

Lenght [cm]	Height [cm]	Width [cm]	Weight per element [kg]	Element per pallet
247	100 / 90 / 50	3,6	15 / 13,5 / 7,5	40 / 40 / 80
127	100 / 90 / 50	3,6	8 / 7 / 4	80 / 80 / 160
67	100 / 90 / 50	3,6	4,5 / 4 / 2,5	120 / 120 / 240

Durability

Please note that durability of the product strongly depends on the specific environmental characteristics in which the product is applied.

Storage condition advice

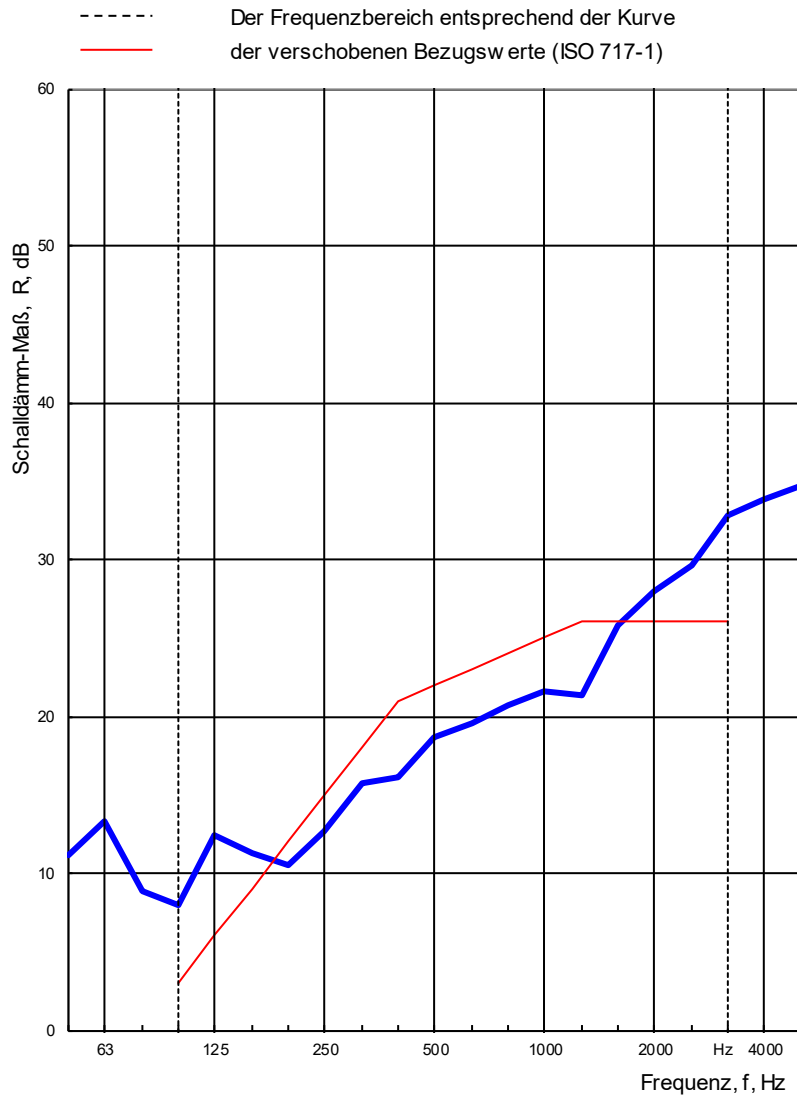
Preferably stored inside. If stored outside:

- Stack max. 2 pallets on each other.
- Remove plastic foil to prevent trapped humidity.
- Protect against high quantities of UV to prevent "natural ageing" of exposed products only, especially when stored for longer periods of time.
- Preferably cover the top of the product package to prevent unnecessary exposure to elements by roof or single cover.

Acoustic test results

The frequency range corresponding to the shifted reference curve (ISO 717-1).
Tested at TÜV Essen.

Bewertung nach ISO 717-1			
$R_w(C;C_{Tr}) = 22 (-1 ; -4) \text{ dB}$	$C_{50-3150} = -1 \text{ dB}$	$C_{50-5000} = 0 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$
	$C_{Tr,50-3150} = -4 \text{ dB}$	$C_{Tr,50-5000} = -4 \text{ dB}$	$C_{Tr,100-5000} = -5 \text{ dB}$
Die Ermittlung basiert auf Prüfstands-Messergebnissen, die in Terzbändern gewonnen wurden.			



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Noistop® Steel

PRODUCT DATA SHEET

Acoustic fence modules



Material description

Acoustic fence modules made of hot-dipped galvanized steel, ROCKWOOL stone wool (core and acoustic material) and green PE fabric.

Noise damping features

Features	Value
Sound insulation	22dB according to EN 1793-2 (B2)
Sound absorption	8dB according to EN 1793-1 (A3)

Product dimensions¹

Lenght [cm]	Height [cm]	Width [cm]	Weight per element [kg]	Element per pallet
100	100	11	30	20
200	100	11	60	10
200	90	11	53,5	10
200	45	11	30	20
300	60	11	53,5	20 or 10
300	40	11	36	20

1. Selected other sizes are available upon request.

Storage condition advice

Preferably stored inside. If stored outside:

- Stack max. 2 pallets on each other.
- Remove plastic foil to prevent trapped humidity.
- Protect against high quantities of UV to prevent “natural ageing” of exposed products only, especially when stored for longer periods of time.
- Preferably cover the top of the product package to prevent unnecessary exposure to elements by roof or single cover.

Decorative surface

Value

Green PE fabric (Polythene)
Optionally black PE fabric

Steel frame and grid

Features	Value
Galvanisation	Hot dip galvanized steel according EN ISO 1461-1999
Powder coatings	Anthracite RAL 7016, Black RAL 9005

Mechanical strength

Features	Value
Wind load resistance	Tested to maximum load 2.4 kN/m ² according to EN1794-1

Durability

Noistop Steel uses a combination of robust galvanized steel, and highly durable ROCKWOOL stone wool with a typical service lifetime of over 30 years. The steel frame is hot-dip galvanized steel according EN ISO 1461-1999 which typically provides steel protection well beyond 50 years. Please note that durability of the product strongly depends on the specific environmental characteristics in which the product is applied.

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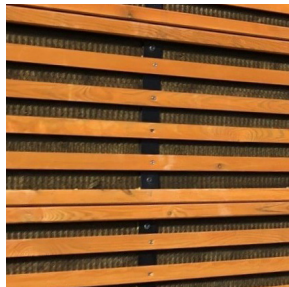
Noistop® Wood

PRODUCT DATA SHEET

Acoustic fence modules



Elba Natural



Elba Brown



Elba Reflect

Material description

Acoustic fence modules made of wood, aluminium construction, ROCKWOOL stone wool (core and acoustic material) and black PE fabric.

Noise damping features

Features	Value
Sound insulation	21dB (B2), Reflect: 25 dB (B3) according to EN 1793-2
Sound absorption	All versions: 10-11dB according to EN 1793-1 (A3) ¹

Product dimensions²

Lenght [cm]	Height [cm]	Width [cm]	Weight per element [kg]		Element per pallet
			Elba	Reflect	
100	100	17	32	38-40	12-14
200	100	17	64	71-77	6-7
200	90	17	57	64-69	6-7
200	45	17	29	32-35	12-14

1. Reflect: only the stone wool side is absorbing.

2. Selected other sizes are available upon request.

Storage condition advice

Preferably stored inside. If stored outside:

- Stack max. 2 pallets on each other.
- Protect against high quantities of UV to prevent “natural ageing” of exposed products only, especially when stored for longer periods of time.
- Preferably cover the top of the product package to prevent unnecessary exposure to elements by roof or single cover.

Decorative surface

Value
Black PE fabric (Polythene)

Wood

Features	Value
Wood	1st Class European Pine Wood
Impregnation	According to EN 335:2013 All wood is chrome free impregnated and has a natural colour.
Surface finish	Optionally available in Brown RAL 8003 and on request in Anthracite RAL 7015

Mechanical strength

Features	Value
Wind load resistance	Tested to maximum load 1.0 kN/m ² according to EN1794-1

Durability

Noistop Wood is built out of a core of highly durable ROCKWOOL stone wool with a typical service lifetime of over 30 years and aluminum supports. The wood itself is high pressure impregnated according EN 335: 2013 offering Use Class 3 “outdoor applications above the ground” with a typical durability of 10-15 years. Please note that durability of the product strongly depends on the specific environmental characteristics in which the product is applied.

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Noistop® Wood is EU Design Protected at EUIPO (European Union Intellectual Property Office).

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