

Noiseflex® Nature is an acoustic panel consisting of an acoustic membrane made of 100 % polyester fibres with a surface of organically farmed Alpine hay with its natural fragrance. Recycled PET bottles may also be used to produce the acoustic membrane. The fibres are thermally and mechanically cemented without the use of chemical binding agents. Product class I is achieved for baby articles pursuant to STANDARD 100 by OEKO-TEX®. The organoid decorative coating distinguishes itself by its uniquely natural authenticity. Because the surface is untreated and also therefore retains its fragrant properties, your senses will experience the source materials in their natural state.



Application:

- Absorber panels for direct wall mounting
- Aesthetically spaced acoustic panels, wall mounted
- Ceiling element for individual suspension

Properties:

- Decorative coating sourced from organic farming AT-BIO-701
- Polyester fibre textile panels, white
- Not soluble in fat or water
- Slight hay fragrance
- STANDARD 100 by OEKO-TEX® Class 1 (carrier panel)
- Reinforced without chemical binding agent



Standard dimensions:

Length x width x thickness: 1200 x 600 x 50 mm
Other dimensions are available on request.

Technical data:

Material	Absorber panel made of 100% polyester fibres with smoothed surfaces on both sides Coating made of Alpine hay on flax membrane, ca. 80 g / m ²
Fire behaviour	B-s2, d0 according to DIN EN 13501-1 (PET fleece, single test)
Thermal conductivity	≥ 0.0376 W / (m·K) according to DIN EN 12667 (absorber panel without coating)
Weight per unit area	approx. 3 kg / m ²

Installation:

The absorber panel has 4 metal plugs at the back for suitable screws or hooks for possible suspension as ceilings or for mounting against a wall.

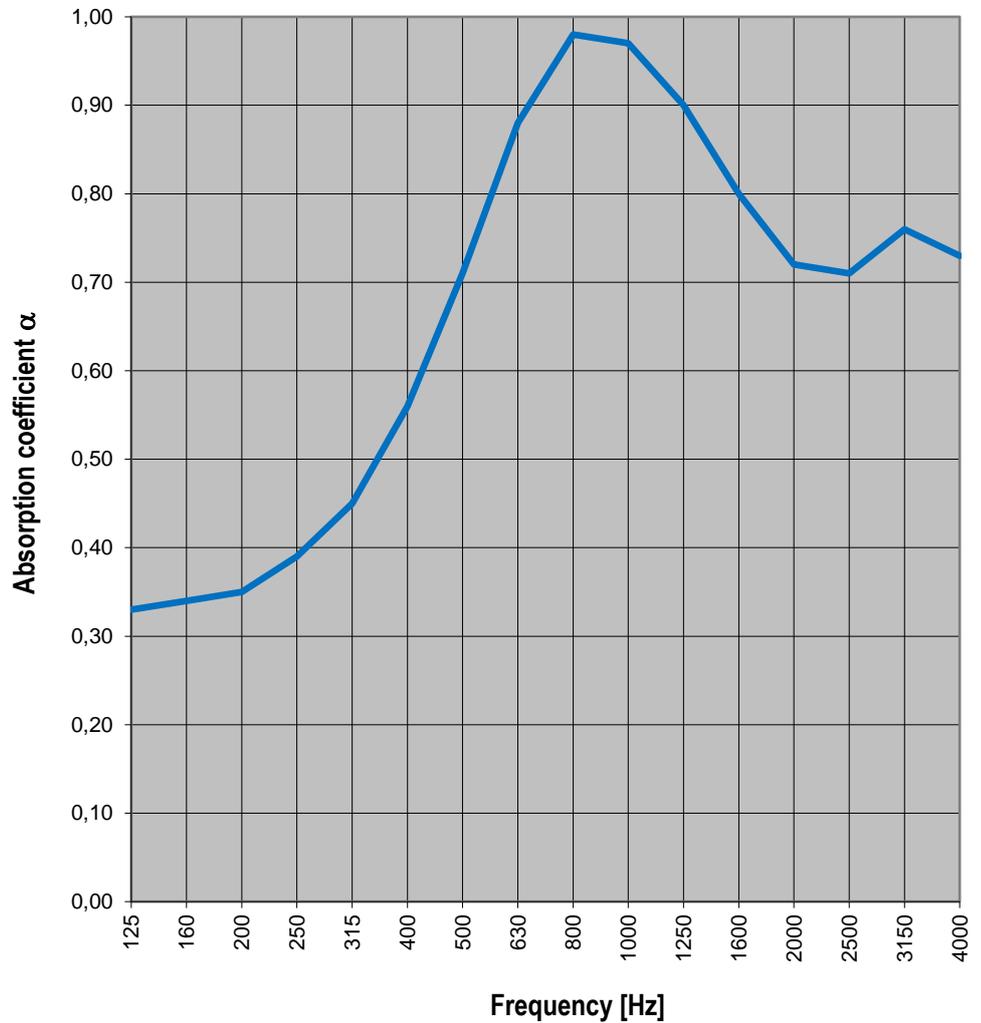
Colours:

The Alpine hay decorative coating may be colour matched using various flowers and blossoms (e.g. larkspur, cornflower, sunflower blossoms and so on).



Sound absorption coefficient of Noiseflex® Nature in the impedance tube depending on DIN EN ISO 10534-2
 (measured on a 50mm Noiseflex® Conso absorber panel, smoothed surface on both sides)

Frequency [Hz]	α third octave band
125	0.33
160	0.34
200	0.35
250	0.39
315	0.45
400	0.56
500	0.71
630	0.88
800	0.98
1000	0.97
1250	0.90
1600	0.80
2000	0.72
2500	0.71
3150	0.76
4000	0.73



Application examples:



Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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