

Nofisol[®]

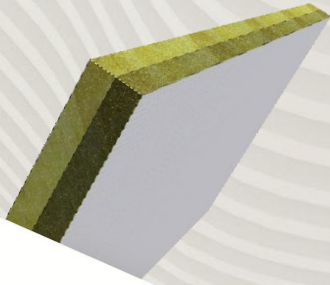
Standard Barrier

Data sheet

31

So much more than just a sound barrier

Standard Barrier Nofisol® 31



Dimensions Nofisol® barrier

Length 1200 mm
 Height Variable between 80 – 2000 mm*
 Thickness 60 mm

*Different dimensions on request

Performance

Sound Insulations



125 Hz 250 Hz 500 Hz 1 KHz 2 KHz 4 kHz

	13.3	20.1	28.0	32.1	29.4	35.8
Oct 1/3	12.7	23.6	29.4	34.3	34.5	38.6
	14.8	25.4	29.4	26.0	34.9	44.0
Oct 1/1	13.5	22.5	28.9	29.3	32.2	38.3

Sound insulation: $R_w(C;Ctr) = 31 (-2,-6)$ dB ISO 717-1:1996



Smoke & Fire behaviour

Smoke Resistance
 Smoke Permeability

202 min. based on NEN 6075:2011
 Sa/ S200 based on NEN 6075:2020

Euro Fire Class Nofisol® Base element

A2-s1,d0

Fire resistance



Integrity (E)
 Heat Radiation (EW)
 Thermal Insulation (EI)

E 120
 EW 120
 EI 30

Sustainability



“Building a Greener Future: Certified for Sustainability, Committed to Excellence”

Cradle to Cradle Certified® Silver v4.0

Globally leading standard that evaluates products across six key areas:

- Environmental Policy and Management;
- Material Health;
- Product Circularity;
- Clean Air and Climate Protection;
- Water and Soil Stewardship;
- Social Fairness.

Eurofins Indoor Air Comfort Gold

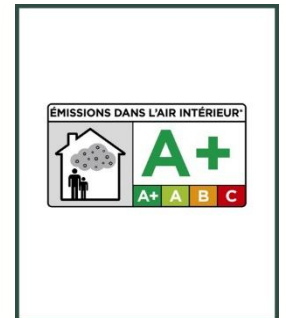
Top indoor quality standards. Our Eurofins Indoor Air Comfort Gold certificate confirms that our products meet strict European VOC emission standards, contributing to a healthier indoor environment.

LCA / EPD

We use Life Cycle Assessments (LCA) and Environmental Product Declarations (EPD) to ensure our products have minimal environmental impact. Listed in both the International and Dutch database.

French VOC A+

Highest standards for low emissions, earning French VOC A+. This rating confirms that our materials emit minimal harmful substances, contributing to superior indoor air quality.



Installation

Sound installation



- Measure the height between wall and construction with a slight excess;
- Cut the aluminum foil of the base barrier slightly on both sides, then cut the base barrier on both sides with an insulation knife or saw with fine teeth;
- Place the base element in place and tilt into its final position.

Note: Taping of the seams is not necessary

Smoke installation



- Install the base element as per the above sound installation instructions;
- Extra processing, tape the base elements on both sides (airtight) with NOFISOL® Alu Tape, this concerns the seams with each other and with the surrounding building construction, the connection with the bandraaster does not need to be taped.

Fire installation



- Prior to the installation of the base barriers place 2 strips of 12.5 mm plaster in the bandraaster;
- Install the NOFISOL® barriers according to the above sound installation instructions;
- The seams between the base elements and with building construction must be provided with NOFISOL® fire-resistant adhesive. This adhesive must be applied in dots every 10 cm in the seams with each other and with the surrounding building construction (not the bandraaster) using a caulking gun.

Note: Taping of the seams is not necessary

[Also watch our assembly videos](#)



Specifications

Base Element

Length	1200 mm
Height	600 / 1000 / on request
Thickness	60 mm
Weight	8-9 kg/m ²

Nofisol EP Alu foil

Length	NPD
Height	NPD
Thickness	NPD
Weight	NPD

Performance

Sound insulation	Rw 31 dB	ISO 717-1:1996
Fire resistance	EI 60	EN 1364-1:1999
Smoke leakage	Sa / S200	EN 1634-3:2004 / NEN 6075:2020
Smoke resistance	202 minutes	NEN 6075:2020

Sustainability

Cradle to Cradle Certified®	Silver v 4.0
Carbon footprint (CO ₂)	Zero Biogenic Carbon at factory gate
Indoor Air Climate	Class A+
Eurofins VOC	Indoor Air Comfort GOLD version 9.0
In compliance with VOC emission related limit values	BREEAM New Construction LEED (ACP) Germany (AgBB/ABG) Italian CAM Edilizia French HQE Certification EU Taxonomy Regulation Well Building Global Green Tag Blue Angel DE-UZ 132 Nordic Swan Danish Indoor Climate Label (Emission class 1) Very low emitting products according to EN 16798-1
LCA – Life Cycle Analyse	PDF Available
EPD – Environmental Product Declaration	PDF Available
PCD – Product Climate Declaration	PDF Available

Database

Eurofins Indoor Air Comfort GOLD	go to database
Cradle to Cradle – C2C	go to database
Dutch Environmental Database (NMD)	go to database
International EPD	go to database



Contact

Everdenberg 9-d
4902 TT Oosterhout

+31 (0) 162 431 231
europa@nofisol.com
www.nofisol.com

Disclaimer

The information provided in this document is for informational purposes only. For project-specific (installation) advice, we recommend contacting us directly.

This product sheet has been compiled based on the current state of technology and applicable laws and regulations. Since both laws and regulations, as well as the state of technology, are subject to change, this product sheet may also be subject to modifications. We strongly recommend that you always ensure you have the most current version of this product sheet. For details regarding the correct application, associated limitations, boundaries, and connections, we refer to the available Peutz Expert Judgements or request that you contact us. No rights or obligations can be derived from this product sheet.

Regarding the test results of the indicative determination of the fire behavior of NOFISOL® EP Alu Foil according to EN 14523:2010 (SBI-test), conducted by Peutz, we emphasize that these results may also be subject to change.