

Nofisol[®]

Standard Barrier

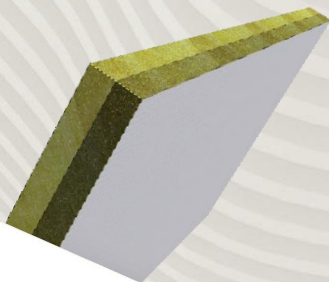
Data sheet

A large red circle containing the white number 31, positioned in the lower right quadrant of the page.

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

Euro Fire Class Nofisol® Base element

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

A2-s1,d0

Fire resistance

Integrity (E)	E 30
Heat Radiation (EW)	EW 30
Thermal Insulation (EI)	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

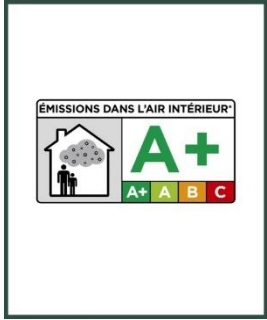
Top indoor quality standards. Our Eurofins Indoor Air Comfort Gold certificate confirms that our products meet strict European VOC emission standards, contributing to a healthier indoor environment.

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 bandraster 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 bandraster;
- 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 bandraster) 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/m2

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 4.0
Carbon footprint (CO2)	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



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Disclaimer

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

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