

Nofisol[®]

High Value dB

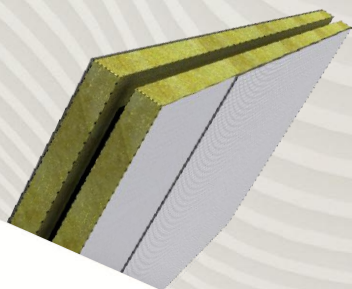
Data sheet



40

So much more than just a sound barrier

High Value dB Barrier Nofisol® 40



Dimensions Nofisol® barrier

Length	1200 mm
Height	Variable between 80 – 2000 mm*
Thickness	66 mm

*Different dimensions on request

Dimensions Nofisol® EP 4,5 Alu foil

Length x Width	1200 x 1000 mm
Density	4,5 kg/ m ²
Self adhesive	Yes - no extra fixing needed
Application	Double sided

Performance

Sound Insulations

	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 kHz
	15.5	27.7	37.6	39.7	55.3	61.9
Oct 1/3	19.9	29.6	40.2	49.9	58.6	60.5
	23.9	33.2	38.4	54.1	61.5	60.5
Oct 1/1	18.5	29.6	38.6	54.0	57.7	60.9

Sound insulation: $R_w(C;Ctr) = 40 (-2,-8)$ 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
Euro Fire Class Nofisol® EP 4,5 Alu foil

A2-s1,d0
A2-s1,d0*

Fire resistance

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

E 120
EW 120
EI 60

* This concerns the measurement results of the indicative determination of the fire behavior of NOFISOL® EP 8 Aluminium Foil in accordance with EN 14523:2010 (SBI test), conducted by Peutz.

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

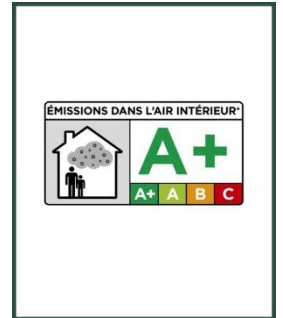
Top indoor quality standards. Our Eurofins Indoor Air Comfort Gold certificate confirms that our products meet strict European VOC emission standards, contributing to a healthier indoor environment.

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;
- Measure top bandraaster to structure;
- Cut the Nofisol® EP Alu Foil to correct height and, if necessary, divide the foil into parts of max. 30cm before application;
- Remove the protective liner on the back of the Nofisol® EP Alu Foil at an angle of approximately 3-5 cm;
- When applying press it firmly onto the base elements;
- Remove the rest of the protective liner and press the foil firmly onto the base element;
- If fastening elements protrude from the base element, the Nofisol® EP Alu Foil must be cut in those places so they also protrude through the Nofisol® EP Alu Foil without causing any 'air bubbles';
- The EP Alu Foil must be applied on both sides of the base elements;
- The next piece of Nofisol® EP Alu Foil is applied tightly without overlapping.

Note: Taping of the seams is not necessary and mechanical fastening of the Nofisol EP Alu Foil is not necessary nor desired

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;
- Apply the Nofisol EP Alu foil as per the above sound installations instructions.

Note: Mechanical fastening of the Nofisol EP Alu Foil is not necessary nor desired

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;
- Before applying the NOFISOL® EP Alu Foil, 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 and mechanical fastening of the Nofisol EP Alu Foil is not necessary nor desired

[Also watch our assembly videos](#)



Specifications

Base Element

Length	1200 mm
Height	600 / 1000 / on request
Thickness	66 mm
Weight	8-9 kg/m ²

Nofisol EP 4,5 Alu foil

Length	1200 mm
Height	1000 mm
Thickness	2 mm
Weight	4,5 kg/m ²

Performance

Sound insulation	Rw 40 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



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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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