

# Nofisol<sup>®</sup> eXtreme Barrier

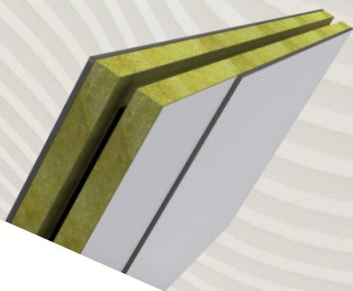
Data sheet



47

So much more than just a sound barrier

# eXtreme Barrier Nofisol® 47



## Dimensions Nofisol® barrier

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

\*Different dimensions on request

## Dimensions Nofisol® EP E Alu foil

Length x Width	1200 x 1000 mm
Density	10 kg/ m <sup>2</sup>
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
	25.3	37.5	40.2	49.0	55.1	61.8
Oct 1/3	30.6	38.3	41.9	53.1	56.2	61.7
	35.2	40.1	42.5	53.5	60.2	61.2
Oct 1/1	28.6	38.5	41.4	51.4	56.7	61.6

Sound insulation:  $R_w(C;Ctr) = 47 (-1,-6)$  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  
Euro Fire Class Nofisol® EP E 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

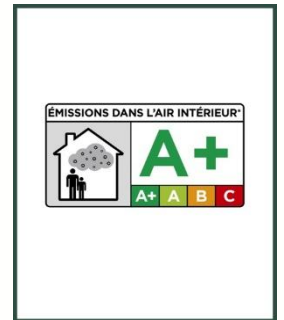
Top indoor quality standards. Our Eurofins Indoor Air Comfort Gold certificate confirms that our products meet strict European VOC emission standards, contributing to a healthier indoor environment.

## 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 <sup>2</sup>

## Nofisol EP E Alu foil

Length	1200 mm
Height	1000 mm
Thickness	5 mm
Weight	10 kg/m <sup>2</sup>

## Performance

Sound insulation	Rw 47 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 <sub>2</sub> )	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	<a href="#">go to database</a>
Cradle to Cradle – C2C	<a href="#">go to database</a>
Dutch Environmental Database (NMD)	<a href="#">go to database</a>
International EPD	<a href="#">go to database</a>



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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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