

# Nofisol<sup>®</sup>

## High Value dB

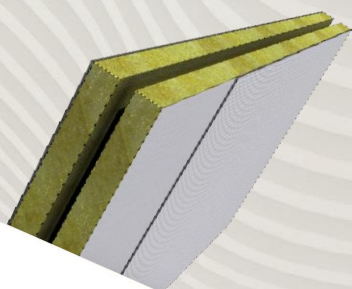
Data sheet



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 <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 |
|---------|--------|--------|--------|-------|-------|-------|
|         | 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

B-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

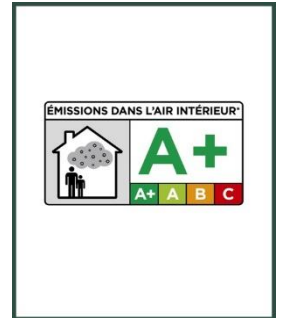
Top indoor quality standards. Our Eurofins Indoor Air Comfort Gold certificate confirms that our products meet strict European VOC emission standards, contributing to a healthier indoor environment.

## 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 4,5 Alu foil

|           |                       |
|-----------|-----------------------|
| Length    | 1200 mm               |
| Height    | 1000 mm               |
| Thickness | 2 mm                  |
| Weight    | 4,5 kg/m <sup>2</sup> |

## 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 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<br>LEED (ACP)<br>Germany (AgBB/ABG)<br>Italian CAM Edilizia<br>French HQE Certification<br>EU Taxonomy Regulation<br>Well Building<br>Global Green Tag<br>Blue Angel DE-UZ 132<br>Nordic Swan<br>Danish Indoor Climate Label (Emission class 1)<br>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.

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.