

CLIMATE DECLARATION FOR NOFISOL EXTREME & HIGH VALUE SOUND INSULATION BARRIERS

Functional unit: 1m² of sound barriers for ceiling/wall during 50 years with
varying sound reduction indexes

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804.



Information about the product

The NOFISOL® High Value and NOFISOL® eXtreme Barriers are stone wool-base barriers faced with a special glassfiber reinforced aluminium foil. At site the self-adhesive NOFISOL® EP Alu foil has to be applied, single or double sided depending on the barrier type. Both commercial families can be grouped in the same EPD since they have the same function, same production process and materials, and the only difference is the Nofisol® EP Alu Foil layer grammage. NOFISOL Barriers are standard available in 3 sizes (1200x600 / 1200x1000 / 1200x2000mm). NOFISOL® Sound Barriers are specifically developed to seal the gaps above lightweight partition walls and below raised floors. The use improves fire and smoke resistance, and the longitudinal noise insulation of a building. Included products in this EPD: NOFISOL® 38 HIGH VALUE dB, NOFISOL® 39 HIGH VALUE dB, NOFISOL® 40 HIGH VALUE dB, NOFISOL® 45 HIGH VALUE dB, NOFISOL® eXtreme 40-H and NOFISOL® eXtreme 47.

Information about the company

NOFISOL, established in April 2006. NOFISOL stands for NOISE FIRE SOLUTIONS. NOFISOL provides acoustic materials and sound barriers, sealed-in stone wool, sealed-in glass wool, acoustic overlay tiles, trapezoidal blocks and a myriad of other solutions to improve the acoustic climate in your building.

Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO₂ eq. per 1m² of sound barriers.

GWP	A1-A3	A4	A5	C1
Fossil	7,46E+01	1,05E+00	7,12E-03	9,52E-02
Biogenic	-3,27E-01	0,00E+00	3,27E-01	0,00E+00
Luluc	7,47E-02	4,11E-04	2,34E-05	9,50E-06
Total	7,43E+01	1,05E+00	3,34E-01	9,52E-02
GWP	C2	C3	C4	D
Fossil	2,39E-01	0,00E+00	3,03E-01	-6,32E-02
Biogenic	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Luluc	9,39E-05	0,00E+00	3,07E-04	-1,32E-04
Total	2,39E-01	0,00E+00	3,03E-01	-6,33E-02
Product's biogenic carbon content at the factory gate				
Biogenic carbon content in product, kg C				0
Biogenic carbon content in packaging, kg C				0,09

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD®SYSTEM		REGISTRATION NO: S-P-12983	VALIDITY: 2029-03-12
PCR: 2019:14 V. 1.3.2 & C-PCR-014	UN CPC: 37990	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: MARCEL GOMEZ FERRER		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.			