

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Frame Wall



LINTEX

The Norwegian EPD Foundation

Owner of the declaration:

Lintex AB

Product:

Frame Wall

Declared unit:

1 pcs

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR

NPCR 026:2022 Part B for Furniture

Program operator:

The Norwegian EPD Foundation

Declaration number:

NEPD-11376-11326

Registration number:

NEPD-11376-11326

Issue date:

12.06.2025

Valid to:

12.06.2030

EPD software:

LCAno EPD generator ID: 840898

General information

Product

Frame Wall

Program operator:

The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
web: www.epd-norge.no

Declaration number:

NEPD-11376-11326

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2022 Part B for Furniture

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Declared unit:

1 pcs Frame Wall

Declared unit (cradle to gate) with option:

A1-A3, A4, A5, B2, B3, B4, C1, C2, C3, C4, D

Functional unit:

The functional unit is the product Frame Wall, a glass magnetic writing board with soft, rounded edges.

General information on verification of EPD from EPD tools:

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Verification of each EPD is made according to EPD-Norway's guidelines for verification and approval requiring that tools are i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPD-Norway, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Norway's General Programme Instructions for further information on EPD tools

Verification of EPD tool:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPDNorway's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Owner of the declaration:

Lintex AB
Contact person: Sara Gripstrand
Phone: +46 (0) 735 06 84 71
e-mail: sara.gripstrand@lintex.se

Manufacturer:

Lintex AB

Place of production:

Lintex AB
Madesjövägen 17
382 45 Nybro, Sweden

Management system:

ISO 14001

Organisation no:

556295-1698

Issue date:

12.06.2025

Valid to:

12.06.2030

Year of study:

2023

Comparability:

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

Development and verification of EPD:

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD Norway.

Developer of EPD: Sara Gripstrand

Reviewer of company-specific input data and EPD: Karl Engdahl

Approved:



Håkon Hauan, CEO EPD-Norge

Product

Product description:

Frame Wall is a glass writing board with a softly rounded bentwood frame available in grey lacquer or oak veneer finish. The glass comes in 24 standard colours. The depth of the frame outlines the board and doubles as a natural pen tray.

Frame Wall is suited for use in schools, offices and conference premises. Designed by Halleroed. Find out more on the webpage: <https://www.lintex.com/products/writing-boards/frame-wall/>

Product specification

Frame Wall consists of a painted glass board laminated on a steel sheet. It is framed with bentwood covered in grey lacquer or oak veneer. The tempered low-iron glass comes in two types of finishes, one regular and one matt (Silk-glass(R)). The paint is water based. Frame Wall is mounted with aluminium brackets.

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Chemical	0,027	0,18	0,00	0,00
Glass - Tempered	9,82	67,72	0,00	0,00
Glue for metals	0,12	0,84	0,00	0,00
Glue for wood	0,22	1,51	0,00	0,00
Magnet	0,069	0,47	0,00	0,00
Metal - Aluminium	0,10	0,73	0,00	0,00
Metal - Steel	2,15	14,82	0,00	0,00
Paint, water-based	0,39	2,68	0,00	0,00
Tape	0,20	1,41	0,00	0,00
Wood - Solid beech/birch	1,22	8,41	0,00	0,00
Wood - Solid oak	0,17	1,17	0,00	0,00
Total	14,49	100,00	0,00	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	3,23	38,04	2,88	89,18
Packaging - Pallet	5,24	61,72	0,00	0,00
Packaging - Plastic straps	0,02	0,24	0,00	0,00
Total incl. packaging	22,99	100,00	2,88	

Technical data:

This EPD is based on Frame Wall in size 1000x1000 mm. The sizes 1500x1000 mm and 2000x1000 mm are found in the chapter "Variants", including sizes with Silk-glass. Depth from wall is 50 mm. Fittings are concealed.

Frame Wall is labelled with FSC(R) Mix (FSC-C170086) and Möbelfakta (ID 0220210316). It is tested and approved according to quality standard EN 14434:2023 and VOC-standard ISO 16000-9:2006.

Market:

Europe

Reference service life, product

15 years

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs Frame Wall

Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

Allocation:

The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

Data quality:

Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data quality	Year
Chemical	ecoinvent 3.6	Database	2019
Glass - Tempered	Ecoinvent 3.6	Database	2019
Glue for metals	ecoinvent 3.6	Database	2019
Glue for wood	ecoinvent 3.6	Database	2019
Magnet	ecoinvent 3.6	Database	2019
Metal - Aluminium	ecoinvent 3.6	database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	Modified ecoinvent 3.6	Database	2019
Packaging - Pallet	ecoinvent 3.6	Database	2019
Packaging - Plastic straps	ecoinvent 3.6	Database	2019
Paint, water-based	ecoinvent 3.6	Database	2019
Tape	Ecoinvent 3.6	Database	2019
Wood - Solid beech/birch	modified ecoinvent 3.6	Database	2019
Wood - Solid oak	modified ecoinvent 3.6	Database	2019

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Product stage			Construction installation stage		Use stage							End of life stage				Beyond the system boundaries
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MND	X	X	X	MND	MND	MND	X	X	X	X	X

System boundary:

Product stage – Raw materials A1

Lintex has long term relations with its suppliers, and a continuous dialogue about environmental performance when extracting and producing raw materials and components. Waste and energy use at the suppliers are included in A1, as well as production of packaging material.

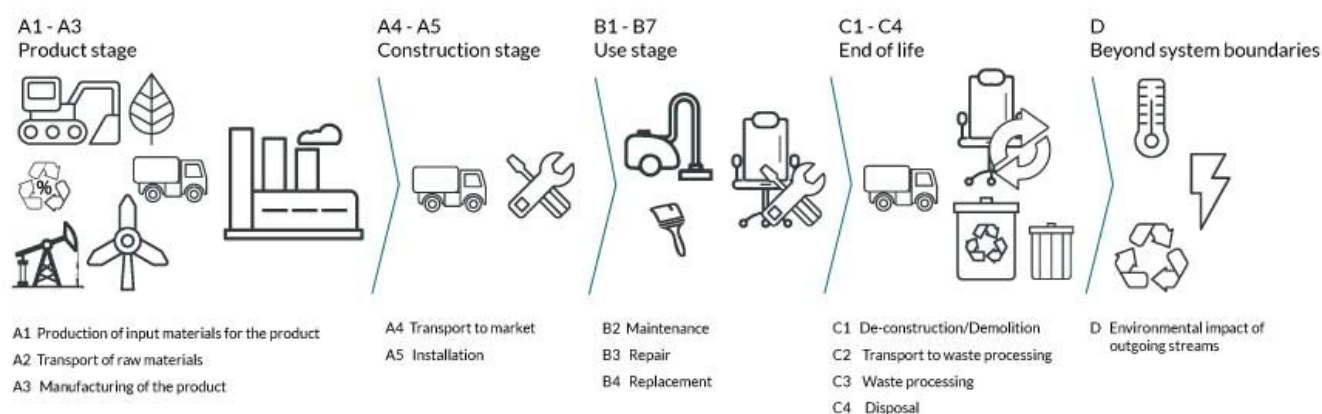
Product stage – Transport A2

Transports are done by truck and/or freight ship from the supplier to Lintex manufacturing site in Nybro, Sweden.

Product stage – Manufacturing A3

Manufacturing takes place in Nybro, Sweden and includes cutting, painting, laminating, assembling and packaging.

From 2022 and onward, the factory in Nybro is a net producer of renewable energy, thanks to geothermal heating and 4400 solar panels installed on our factory roof, producing around 1600 MWh annually.



Additional technical information:

Spare parts in the form of wall brackets are available.

For mounting instructions and information on care and maintenance please visit:

<https://www.lintex.com/products/writing-boards/frame-wall>

Lintex AB is certified according to ISO 14001:2015 and FSC Chain of Custody (DNV-COC-002282).

Read more about the company's sustainability work at: www.lintex.com/sustainability

LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

Installation stage – Transport A4

The main market for Frame Wall is Europe, why a distance of 1200 km has been used as an approximation of transport from the factory in Nybro to the end user.

Installation stage – Assembly A5

When arriving at the end user the products are unpacked. Environmental impact of the packaging material is included in A5. Mounting of the product is done by hand with simple tools.

User stage - B1-B7:

In the user stage the product doesn't consume any energy or other resources. Cleaning is done by a damp cloth. During normal use the product doesn't need to be repaired or refurbished.

End-of-life stage - C1-C4:

The end-of-life stage covers deconstruction, transport to a waste processing site, processing and disposal of waste. The LCA tool calculates this based on material in the product and generic numbers, including an 85 kilometers transport to the waste management plant.

Beyond the system boundaries, Re-use - Recovery - Recycling -potential - D:

LCA-tool is calculating stage D potential based on material recycling and resource for energy production from materials if product end of lifecycle would be in Norway. Material amounts are calculated based on the material used to make the product.

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	1200	0,043	l/tkm	51,60
Assembly (A5)	Unit	Value			
Waste, packaging, PET straps, to average treatment - A5 (kg)	kg	0,040			
Waste, packaging, corrugated board box, 0 % recycled, to average treatment (kg)	kg	0,34			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	2,88			
Waste, packaging, Pallet, EUR wooden pallet, single use, average treatment (kg)	kg	5,24			
Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	85	0,043	l/tkm	3,66
Waste processing (C3)	Unit	Value			
Waste, materials to recycling (kg)	kg	0,84			
Waste treatment per kg Scrap aluminium, incineration with fly ash extraction (kg)	kg	0,19			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	2,44			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	0,65			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0,36			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	1,39			
Waste treatment per kg Plastics, Mixture, municipal incineration with fly ash extraction (kg)	kg	0,20			
Waste treatment per kg Glass, incineration with fly ash extraction (kg)	kg	9,82			
Disposal (C4)	Unit	Value			
Landfilling of ashes and residues from incineration of Scrap aluminium (kg)	kg	0,17			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	1,61			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,032			
Landfilling of ashes from incineration of Hazardous waste, from incineration (kg)	kg	0,069			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,015			
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues - C4 (kg)	kg	0,0071			
Landfilling of ashes from incineration of Glass, process of ashes and residues (kg)	kg	9,82			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of primary aluminium with net scrap (kg)	kg	0,020			
Substitution of primary steel with net scrap (kg)	kg	0,26			
Substitution of thermal energy, district heating (MJ)	MJ	30,27			
Substitution of electricity (MJ)	MJ	2,0012			

LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

Environmental impact							
Indicator	Unit	A1-A3	A4	A5	B2	B3	
 GWP-total	kg CO ₂ -eq	2,63E+01	4,51E+00	1,36E+01	0	0	
 GWP-fossil	kg CO ₂ -eq	4,06E+01	4,51E+00	1,96E-01	0	0	
 GWP-biogenic	kg CO ₂ -eq	-1,49E+01	1,87E-03	1,34E+01	0	0	
 GWP-luluc	kg CO ₂ -eq	5,87E-01	1,60E-03	5,37E-05	0	0	
 ODP	kg CFC11 -eq	4,74E-06	1,02E-06	3,37E-08	0	0	
 AP	mol H ⁺ -eq	3,06E-01	1,30E-02	1,38E-03	0	0	
 EP-FreshWater	kg P -eq	1,77E-03	3,60E-05	2,13E-06	0	0	
 EP-Marine	kg N -eq	5,66E-02	2,56E-03	5,72E-04	0	0	
 EP-Terrestrial	mol N -eq	6,22E-01	2,87E-02	6,11E-03	0	0	
 POCP	kg NMVOC -eq	1,83E-01	1,10E-02	1,60E-03	0	0	
 ADP-minerals&metals ¹	kg Sb-eq	9,63E-04	1,25E-04	3,58E-06	0	0	
 ADP-fossil ¹	MJ	6,34E+02	6,82E+01	2,40E+00	0	0	
 WDP ¹	m ³	1,19E+04	6,59E+01	3,52E+00	0	0	

Indicator	Unit	B4	C1	C2	C3	C4	D
 GWP-total	kg CO ₂ -eq	0	0	3,20E-01	4,61E+00	1,56E-01	-6,62E-01
 GWP-fossil	kg CO ₂ -eq	0	0	3,19E-01	1,38E+00	1,56E-01	-6,51E-01
 GWP-biogenic	kg CO ₂ -eq	0	0	1,32E-04	3,23E+00	1,11E-04	-1,37E-03
 GWP-luluc	kg CO ₂ -eq	0	0	1,14E-04	2,28E-04	4,16E-05	-9,67E-03
 ODP	kg CFC11 -eq	0	0	7,23E-08	1,01E-07	4,13E-08	-1,28E-02
 AP	mol H ⁺ -eq	0	0	9,18E-04	1,88E-03	9,66E-04	-4,14E-03
 EP-FreshWater	kg P -eq	0	0	2,55E-06	2,18E-05	1,53E-06	-4,07E-05
 EP-Marine	kg N -eq	0	0	1,82E-04	5,29E-04	3,39E-04	-9,30E-04
 EP-Terrestrial	mol N -eq	0	0	2,03E-03	5,79E-03	3,75E-03	-9,91E-03
 POCP	kg NMVOC -eq	0	0	7,78E-04	1,63E-03	1,08E-03	-3,46E-03
 ADP-minerals&metals ¹	kg Sb-eq	0	0	8,82E-06	3,37E-06	2,28E-06	-6,50E-06
 ADP-fossil ¹	MJ	0	0	4,83E+00	4,21E+00	3,08E+00	-7,30E+00
 WDP ¹	m ³	0	0	4,67E+00	1,52E+01	9,04E+00	-1,22E+02

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

Remarks to environmental impacts

Additional environmental impact indicators

Indicator	Unit	A1-A3	A4	A5	B2	B3
 PM	Disease incidence	3,05E-06	2,76E-07	1,76E-08	0	0
 IRP ²	kgBq U235 -eq	5,09E+00	2,98E-01	9,19E-03	0	0
 ETP-fw ¹	CTUe	1,47E+03	5,05E+01	2,87E+00	0	0
 HTP-c ¹	CTUh	9,40E-08	0,00E+00	2,39E-10	0	0
 HTP-nc ¹	CTUh	8,24E-07	5,52E-08	1,13E-08	0	0
 SQP ¹	dimensionless	1,23E+03	4,77E+01	1,44E+00	0	0

Indicator	Unit	B4	C1	C2	C3	C4	D
 PM	Disease incidence	0	0	1,96E-08	4,36E-08	1,71E-08	-1,25E-07
 IRP ²	kgBq U235 -eq	0	0	2,11E-02	1,78E-02	1,26E-02	-2,52E-02
 ETP-fw ¹	CTUe	0	0	3,58E+00	2,14E+01	2,09E+00	-3,27E+01
 HTP-c ¹	CTUh	0	0	0,00E+00	1,19E-09	7,90E-11	-2,12E-09
 HTP-nc ¹	CTUh	0	0	3,91E-09	1,20E-08	2,32E-09	1,20E-08
 SQP ¹	dimensionless	0	0	3,38E+00	1,53E+00	6,74E+00	-1,70E+01

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

2. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Resource use							
Indicator		Unit	A1-A3	A4	A5	B2	B3
	PERE	MJ	2,12E+02	9,76E-01	4,64E-02	0	0
	PERM	MJ	1,15E+02	0,00E+00	-9,51E+01	0	0
	PERT	MJ	3,26E+02	9,76E-01	-9,51E+01	0	0
	PENRE	MJ	6,25E+02	6,82E+01	2,40E+00	0	0
	PENRM	MJ	2,19E+01	0,00E+00	-9,18E-01	0	0
	PENRT	MJ	6,46E+02	6,82E+01	1,48E+00	0	0
	SM	kg	2,88E+00	0,00E+00	0,00E+00	0	0
	RSF	MJ	1,76E+00	3,49E-02	1,40E-03	0	0
	NRSF	MJ	7,05E+00	1,25E-01	1,30E-02	0	0
	FW	m ³	5,02E-01	7,29E-03	1,56E-03	0	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	6,91E-02	6,58E-01	7,01E-02	-1,66E+01
	PERM	MJ	0	0	0,00E+00	-1,94E+01	0,00E+00	0,00E+00
	PERT	MJ	0	0	6,91E-02	-1,88E+01	7,01E-02	-1,66E+01
	PENRE	MJ	0	0	4,83E+00	4,22E+00	3,08E+00	-7,30E+00
	PENRM	MJ	0	0	0,00E+00	-3,65E+01	0,00E+00	0,00E+00
	PENRT	MJ	0	0	4,83E+00	-3,23E+01	3,08E+00	-7,30E+00
	SM	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	RSF	MJ	0	0	2,47E-03	1,44E-02	1,72E-03	7,48E-03
	NRSF	MJ	0	0	8,84E-03	0,00E+00	5,08E-02	-6,11E-01
	FW	m ³	0	0	5,16E-04	4,68E-03	2,90E-03	-2,39E-02

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

End of life - Waste								
Indicator		Unit	A1-A3	A4	A5	B2	B3	
	HWD	kg	2,48E-01	3,52E-03	0,00E+00	0	0	
	NHWD	kg	8,86E+00	3,32E+00	8,51E+00	0	0	
	RWD	kg	3,40E-03	4,64E-04	0,00E+00	0	0	

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	2,49E-04	0,00E+00	1,16E+01	-8,60E-04
	NHWD	kg	0	0	2,35E-01	1,02E+01	1,40E-01	-2,32E-01
	RWD	kg	0	0	3,29E-05	0,00E+00	1,81E-05	-2,19E-05

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

End of life - Output flow								
Indicator		Unit	A1-A3	A4	A5	B2	B3	
	CRU	kg	0,00E+00	0,00E+00	0,00E+00	0	0	
	MFR	kg	5,08E-01	0,00E+00	3,02E+00	0	0	
	MER	kg	5,13E-02	0,00E+00	5,20E+00	0	0	
	EEE	MJ	3,49E-02	0,00E+00	3,80E+00	0	0	
	EET	MJ	5,29E-01	0,00E+00	5,75E+01	0	0	

Indicator		Unit	B4	C1	C2	C3	C4	D
	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	MFR	kg	0	0	0,00E+00	8,49E-01	0,00E+00	0,00E+00
	MER	kg	0	0	0,00E+00	1,51E+01	0,00E+00	0,00E+00
	EEE	MJ	0	0	0,00E+00	1,94E+00	0,00E+00	0,00E+00
	EET	MJ	0	0	0,00E+00	2,93E+01	0,00E+00	0,00E+00

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported energy electrical; EET = Exported energy thermal

"Reading example: 9,0 E-03 = 9,0*10⁻³ = 0,009"

*INA Indicator Not Assessed

Biogenic Carbon Content		
Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	6,22E-01
Biogenic carbon content in accompanying packaging	kg C	3,66E+00

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂

Additional requirements

Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Source	Amount	Unit
Electricity, Sweden (kWh)	ecoinvent 3.6	54,94	g CO ₂ -eq/kWh

Dangerous substances

The product contains no substances given by the REACH Candidate list.

Indoor environment

Frame Wall is tested according to VOC standard ISO 16000-9:2006 and approved according to the requirements in M1, EN 717-1 and BREEAM International (2021).

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO ₂ -eq	26,34	4,51	49,56	48,90
Total energy consumption	MJ	844,97	69,30	929,74	905,29
Amount of recycled materials	%	12,53			

Additional environmental impact indicators required in NPCR Part A for construction products

Indicator	Unit	A1-A3	A4	A5	B2	B3
GWPIOBC	kg CO ₂ -eq	4,20E+01	4,51E+00	1,96E-01	0	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO ₂ -eq	0	0	3,20E-01	2,44E+00	1,58E-01	-7,96E-01

GWPI-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.

Variants and Options

Key environmental indicators (A1-A3) for variants of this EPD

Variants	Weight (kg)	GWPtotal (kg CO ₂ -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)
Frame Wall 1000x1000 mm, Silk-glass®	23,00	27,88	864,89	12,53
Frame Wall 1500x1000 mm	31,40	42,76	1148,57	13,50
Frame Wall 1500x1000 mm Silk-glass®	31,40	45,09	1178,56	13,50
Frame Wall 2000x1000 mm	38,50	59,60	1404,66	11,41
Frame Wall 2000x1000 mm, Silk-glass®	38,50	62,70	1444,70	11,41

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