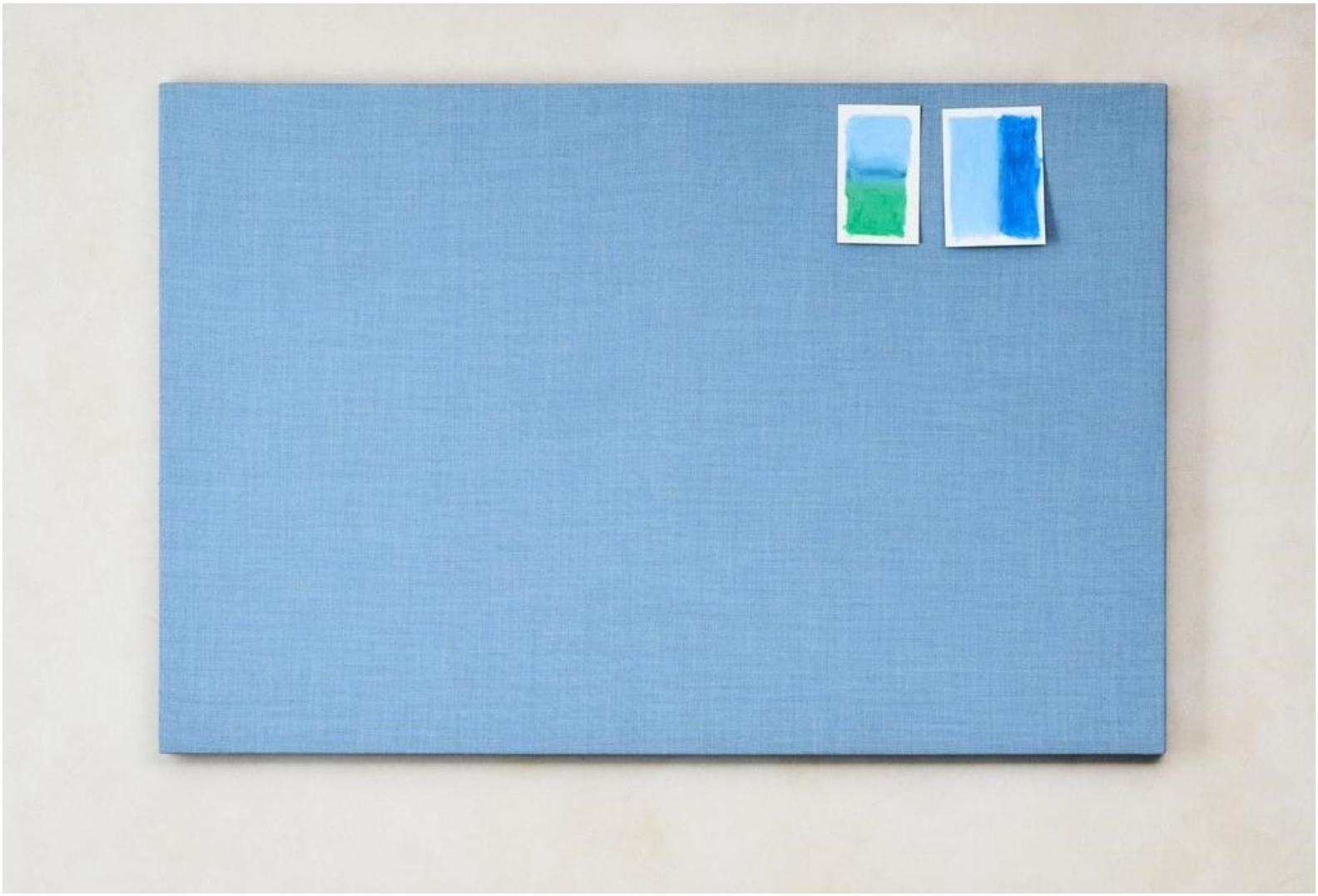
epd-norge
Global program operatør

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Edge Wall



LINTEX

The Norwegian EPD Foundation

Owner of the declaration:
Lintex AB

Product:
Edge 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:

Registration number:

Issue date:

Valid to:

EPD software:
LCAno EPD generator ID: 452827

General information

Product

Edge Wall

Owner of the declaration:

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

Program operator:

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

Manufacturer:

Lintex AB

Declaration number:

Place of production:

Lintex AB
Madesjövägen 17
382 45 Nybro, Sweden

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

Management system:

ISO 14001

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.

Organisation no:

556295-1698

Declared unit:

1 pcs Edge Wall

Issue date:

Declared unit (cradle to gate) with option:

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

Valid to:

Year of study:

2023

Functional unit:

The functional unit is the product Edge Wall (500 x 1000 mm), a wall mounted sound absorber suited for use in environments such as schools, offices and conference premises.

Comparability:

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

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

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

Verification of EPD tool:

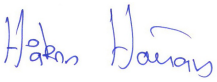
Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPDNorway's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Approved:



Håkon Hauan, CEO EPD-Norge

Product

Product description:

Edge Wall is a wall mounted sound absorber suited for use in environments such as schools, offices and conference premises. The product is available in seven standard sizes and in four standard fabrics.

Find out more on the webpage: https://www.lintex.com/en/products/office-screens/edge-wall/

Product specification

Edge Wall consists of a solid wooden frame with a sound-absorbent filling in polyester, 50 % post-consumer recycled. The front is covered with wool or polyester fabric, while the back has a thin layer of polypropylen fabric. Inner corners, screws and supporting magnets are made of steel. The concealed wall fittings are made of extruded aluminium.

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Textile - Wool	0,22	5,74	0,02	11,20
Wood - Solid pine	2,60	68,38	0,00	0,00
Metal - Aluminium	0,09	2,45	0,00	0,00
Metal - Steel	0,22	5,84	0,00	0,00
Polyester filling	0,65	17,09	0,33	50,00
Textile non-woven	0,02	0,50	0,00	0,89
Total	3,80	100,00	0,35	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	0,74	45,26	0,44	60,00
Packaging - Pallet	0,87	53,51	0,00	0,00
Packaging - Plastic straps	0,02	1,23	0,00	0,00
Total incl. packaging	5,43	100,00	0,79	

Technical data:

Size 500 x 1000 mm. Depth from wall 56 mm. Concealed fittings. The product is available in seven standard sizes.

Edge Wall is labelled with FSC Mix (FSC-C170086), Möbelfakta (ID 0120210111) and assessed by Byggvarubedömningen (Recommended - ID 145604).

It is tested and approved according to quality standard EN 1023:2000-1,2,3 and sound absorption standards SS-EN ISO 354:2003, SS 25269:2013, ISO 20189:2018 and SS-EN ISO 11654:1997

Market:

Europe

Reference service life, product

15 years

Reference service life, building

60 years

LCA: Calculation rules

Declared unit:

1 pcs Edge 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.

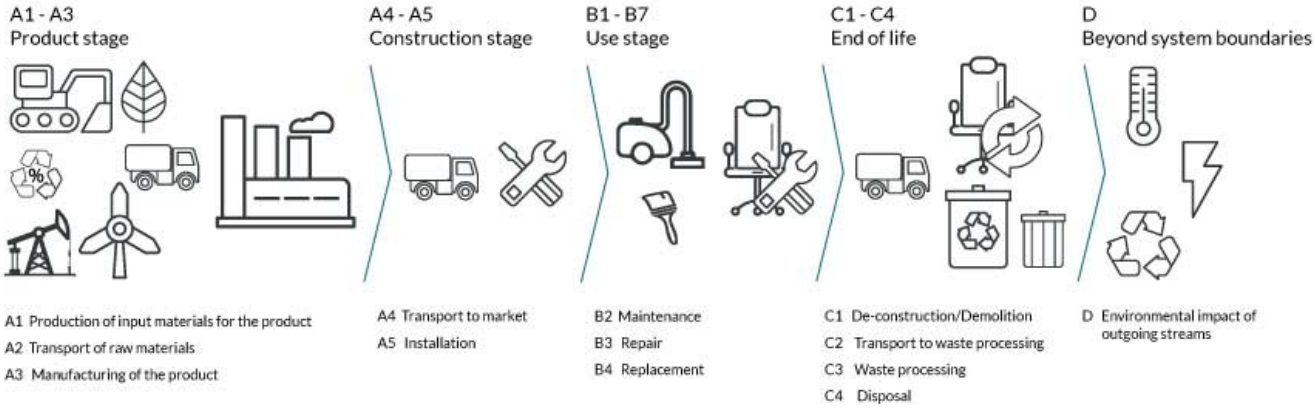
Materials	Source	Data quality	Year
Metal - Aluminium	ecoinvent 3.6	database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	Modified ecoinvent 3.6	Database	2019
Packaging - Pallet	ecoinvent 3.6	Database	2019
Packaging - Plastic straps	ecoinvent 3.6	Database	2019
Polyester filling	ecoinvent 3.6	Database	2019
Polyester filling	Modified ecoinvent 3.6	Database	2019
Textile - Wool	MD-23110-EN_rev1	EPD	2021
Textile non-woven	ecoinvent 3.6	Database	2019
Wood - Solid pine	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.
All wood based material is labeled with FSC ® (FSC-C170086) and standard fabrics are certified with EU Ecolabel or Oekotex.
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 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:

Edge Wall is labelled with FSC Mix (FSC-C170086), Möbelfakta (ID 0120210111) and assessed by Byggvarubedömningen (Recommended - ID 145604).

Edge Wall is tested and approved according to quality standard EN 1023:2000-1,2,3 and sound absorption standards SS-EN ISO 354:2003, SS 25269:2013, ISO 20189:2018 and SS-EN ISO 11654:1997. The alpha-value is 0.95, hence Edge Wall belongs to absorption class A.

Edge Wall is possible to separate down to different materials, that may be material recycled accordingly. Spare parts in the form of wall fittings are available.

For mounting instructions and information on care and maintenance please visit www.lintex.com/en/products/office-screens/edge-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 Edge Wall is Scandinavia, why a distance of 700 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. If needed, the product may be vacuum cleaned. 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 %	700	0,043	l/tkm	30,10

Assembly (A5)	Unit	Value			
Waste, packaging, PET straps, to average treatment - A5 (kg)	kg	0,02			
Waste, packaging, Pallet, EUR wooden pallet, single use, average treatment (kg)	kg	0,87			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	0,44			
Waste, packaging, corrugated board box, 0 % recycled, to average treatment (kg)	kg	0,29			

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 treatment per kg Textile, incineration with fly ash extraction (kg)	kg	0,89			
Waste, materials to recycling (kg)	kg	0,08			
Waste treatment per kg Scrap aluminium, incineration with fly ash extraction (kg)	kg	0,09			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	0,22			

Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,04			
Landfilling of ashes and residues from incineration of Scrap aluminium (kg)	kg	0,08			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	0,15			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity (MJ)	MJ	0,80			
Substitution of thermal energy, district heating (MJ)	MJ	12,17			
Substitution of primary aluminium with net scrap (kg)	kg	0,01			
Substitution of primary steel with net scrap (kg)	kg	0,02			

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	7,17E+00	6,18E-01	2,61E+00	0	0
	GWP-fossil	kg CO_2 -eq	1,36E+01	6,17E-01	3,69E-02	0	0
	GWP-biogenic	kg CO_2 -eq	-6,56E+00	2,56E-04	2,57E+00	0	0
	GWP-luluc	kg CO_2 -eq	9,11E-02	2,20E-04	1,01E-05	0	0
	ODP	kg CFC11 -eq	1,08E-06	1,40E-07	6,35E-09	0	0
	AP	mol H+ -eq	6,06E-02	1,77E-03	2,47E-04	0	0
	EP-FreshWater	kg P -eq	5,65E-04	4,93E-06	3,82E-07	0	0
	EP-Marine	kg N -eq	1,27E-02	3,51E-04	1,01E-04	0	0
	EP-Terrestial	mol N -eq	1,68E-01	3,93E-03	1,07E-03	0	0
	POCP	kg NMVOC -eq	4,55E-02	1,50E-03	2,83E-04	0	0
	ADP-minerals&metals[1]	kg Sb-eq	5,51E-04	1,71E-05	6,78E-07	0	0
	ADP-fossil[1]	MJ	2,78E+02	9,34E+00	4,48E-01	0	0
	WDP[1]	m^3	9,33E+03	9,03E+00	6,58E-01	0	0

Indicator		**Unit**	B4	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	7,50E-02	6,04E+00	3,89E-03	-3,52E-01
	GWP-fossil	kg CO_2 -eq	0	0	7,50E-02	4,44E-02	3,89E-03	-3,42E-01
	GWP-biogenic	kg CO_2 -eq	0	0	3,10E-05	5,99E+00	8,07E-06	-8,82E-04
	GWP-luluc	kg CO_2 -eq	0	0	2,67E-05	6,96E-06	9,90E-07	-9,54E-03
	ODP	kg CFC11 -eq	0	0	1,70E-08	3,73E-09	9,53E-10	-1,67E-02
	AP	mol H+ -eq	0	0	2,15E-04	5,64E-04	2,31E-05	-2,60E-03
	EP-FreshWater	kg P -eq	0	0	5,99E-07	7,63E-07	4,31E-08	-2,53E-05
	EP-Marine	kg N -eq	0	0	4,26E-05	2,69E-04	8,05E-06	-7,18E-04
	EP-Terrestial	mol N -eq	0	0	4,77E-04	2,86E-03	8,94E-05	-7,76E-03
	POCP	kg NMVOC -eq	0	0	1,83E-04	7,04E-04	2,56E-05	-2,25E-03
	ADP-minerals&metals[1]	kg Sb-eq	0	0	2,07E-06	1,83E-07	5,28E-08	-2,61E-06
	ADP-fossil[1]	MJ	0	0	1,13E+00	3,58E-01	7,20E-02	-4,59E+00
	WDP[1]	m^3	0	0	1,10E+00	2,15E-01	2,36E-01	-8,86E+01

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	7,15E-07	3,78E-08	3,17E-09	0	0
	IRP[2]	kgBq U235 -eq	3,43E+00	4,08E-02	1,74E-03	0	0
	ETP-fw[1]	CTUe	3,06E+02	6,92E+00	5,42E-01	0	0
	HTP-c[1]	CTUh	1,56E-08	0,00E+00	4,20E-11	0	0
	HTP-nc[1]	CTUh	3,94E-07	7,56E-09	1,96E-09	0	0
	SQP[1]	dimensionless	6,77E+02	6,53E+00	2,77E-01	0	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	4,59E-09	6,25E-09	3,97E-10	-1,23E-07
	IRP[2]	kgBq U235 -eq	0	0	4,95E-03	7,08E-04	2,97E-04	-2,56E-02
	ETP-fw[1]	CTUe	0	0	8,40E-01	1,23E+00	5,64E-02	-2,06E+01
	HTP-c[1]	CTUh	0	0	0,00E+00	1,33E-10	2,00E-12	-6,73E-10
	HTP-nc[1]	CTUh	0	0	9,18E-10	6,10E-09	7,30E-11	-1,68E-08
	SQP[1]	dimensionless	0	0	7,93E-01	5,45E-02	1,67E-01	-2,19E+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	1,53E+02	1,34E-01	8,56E-03	0	0
	PERM	MJ	6,16E+01	0,00E+00	-1,93E+01	0	0
	PERT	MJ	2,14E+02	1,34E-01	-1,93E+01	0	0
	PENRE	MJ	2,63E+02	9,34E+00	4,48E-01	0	0
	PENRM	MJ	1,71E+01	0,00E+00	-4,59E-01	0	0
	PENRT	MJ	2,80E+02	9,34E+00	-1,08E-02	0	0
	SM	kg	8,01E-01	0,00E+00	0,00E+00	0	0
	RSF	MJ	3,58E-01	4,78E-03	2,60E-04	0	0
	NRSF	MJ	1,10E+00	1,71E-02	2,26E-03	0	0
	FW	m^3	2,80E-01	9,98E-04	2,82E-04	0	0

Indicator		**Unit**	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	1,62E-02	1,20E-02	1,78E-03	-2,07E+01
	PERM	MJ	0	0	0,00E+00	-3,77E+01	0,00E+00	0,00E+00
	PERT	MJ	0	0	1,62E-02	-3,77E+01	1,78E-03	-2,07E+01
	PENRE	MJ	0	0	1,13E+00	3,72E-01	7,21E-02	-4,59E+00
	PENRM	MJ	0	0	0,00E+00	-1,64E+01	0,00E+00	0,00E+00
	PENRT	MJ	0	0	1,13E+00	-1,60E+01	7,21E-02	-4,59E+00
	SM	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	RSF	MJ	0	0	5,81E-04	2,77E-04	4,61E-05	-2,73E-03
	NRSF	MJ	0	0	2,08E-03	0,00E+00	1,04E-02	-1,17E+00
	FW	m^3	0	0	1,21E-04	7,26E-04	6,51E-05	-2,66E-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	7,33E-02	4,81E-04	0,00E+00	0	0
	NHWD	kg	2,56E+00	4,54E-01	1,63E+00	0	0
	RWD	kg	2,99E-03	6,36E-05	0,00E+00	0	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	5,85E-05	0,00E+00	2,53E-01	6,75E-05
	NHWD	kg	0	0	5,51E-02	0,00E+00	1,06E-02	-1,13E-01
	RWD	kg	0	0	7,72E-06	0,00E+00	4,27E-07	-2,15E-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	9,42E-02	0,00E+00	6,95E-01	0	0
	MER	kg	2,41E-01	0,00E+00	8,63E-01	0	0
	EEE	MJ	1,60E-01	0,00E+00	6,42E-01	0	0
	EET	MJ	2,42E+00	0,00E+00	9,72E+00	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	8,50E-02	0,00E+00	0,00E+00
	MER	kg	0	0	0,00E+00	3,80E+00	0,00E+00	0,00E+00
	EEE	MJ	0	0	0,00E+00	2,43E+00	0,00E+00	0,00E+00
	EET	MJ	0	0	0,00E+00	3,68E+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	1,45E+00
Biogenic carbon content in accompanying packaging	kg C	7,00E-01

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 CO2-eq/kWh

Dangerous substances

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

Indoor environment

Edge 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	7,17	0,62	16,51	16,15
Total energy consumption	MJ	416,85	9,49	428,42	402,01
Amount of recycled materials	%	14,58			

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	1,39E+01	6,18E-01	3,69E-02	0	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	7,50E-02	1,50E+00	6,61E-03	-3,58E-01

GWP-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 (%)
Edge Wall 500 x 500 mm	3,90	6,87	358,87	12,84
Edge Wall 1000 x 1000 mm	8,10	14,39	610,64	16,94
Edge Wall 1500 x 1000 mm	12,90	15,42	780,46	16,03
Edge Wall 2000 x 1000 mm	15,30	27,75	1056,41	17,95
Edge Wall 2500 x 1000 mm	20,80	33,87	1364,17	23,47
Edge Wall 3000 x 1000mm	23,50	41,56	1564,84	24,83

Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.
ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.
EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.
ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.
ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.
Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21
Ruud et al., (2023) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 01.23
NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge.
NPCR 026 Part B for Furniture. Ver. 2.0 March 2022, EPD-Norge.

Emission measurements according to M1, Report number: O100152-1181696-1 (RISE Research Institutes of Sweden AB)
Confirmation BREEAM-International (2021), Report number: O100152-1181696-1-1 (RISE Research Institutes of Sweden AB)
Assessment of Compliance to EN 717-1, Report number: O100152-1181696-1-2 (RISE Research Institutes of Sweden AB)
Confirmation Byggvarubedömningen (version 7.2, 2023-03-15), Report number: O100152-1181696-1-3 (RISE Research Institutes of Sweden AB)

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