Environmental Product Declaration

In accordance with ISO14025:2006 and EN15804:2012+A2:2019

KL Trä (Cross-laminated timber)



The Norwegian EPD Foundation

Owner of the declaration:
Setra Trävaror AB

Product name:
KL Trä (Cross-laminated timber)

Declared unit:
1 m³ of cross-laminated timber (moisture content of 12%)

Product category / PCR:
NPCR PART A Construction products and services
NPCR 015 Part B for wood and wood-based products

Program operator:
EPD Global
Majorstuen P.O. Box 5250
N-0303 Oslo
Norway

Registration number:
NEPD-18725-22968

Issue date:
23.10.2026

Valid to:
23.10.2031

General information

Product:
KL Trä (Cross-laminated timber)

Program operator:
EPD-Global
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 23 08 80 00
Web: www.epd-global.no

Declaration number:
NEPD-18725-22968

This declaration is based on Product Category Rules:
NPCR PART A Construction products and services Version 2.0
NPCR 015 Part B for wood and wood-based products, Version 4.0
PCR review conducted by: Christofer Skaar, leader of the Technical committee, Norwegian EPD Foundation

UN CPC Code:
31421 - Other plywood, veneered panels and similar laminated wood, of coniferous wood

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

Declared unit:
1 m^3 of cross-laminated timber (moisture content of 12%)

Declared unit with option:
A1-A3, A4, A5, C1, C2, C3, C4, D

Functional unit:
-

Verification:
Independent third party verification of the EPD
Third party verifier:
Vijay Thakur, Eco Assure Verification & Advisory



Owner of the declaration:
Setra Trävaror AB
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Manufacturer:
Setra Trävaror AB
Amungsvägen 17, 776 72 Långshyttan, Sweden
Phone: +46 225 635 00

Place of production:
Name of plant: Kloster
Location: Långshyttan, Sweden

Management system:
ISO 14001, ISO 9001, FSC, PEFC

Organisation no:
556035-2196

Issue date:
2026-10-01

Valid to:
2031-10-01

Year of study:
2024

Comparability:
EPDs of construction products may not be comparable if they do not comply with EN 15804 and are seen in a building context.

Development and verification of EPD:
Developer of EPD: Athira Sreenivasan

Third party verifier: Vijay Thakur, Eco Assure Verification & Advisory



Håkan Hauan, CEO EPD-Global

Product

Product description:

KL Trä stands for cross laminated timber (CLT), engineered for projects that demand high bearing capacity and strength without compromising on weight or safety. It offers excellent fire resistance while remaining relatively lightweight, making it a versatile choice for walls, joists, and roof structures. Each panel is built from finger jointed boards in thicknesses of 20mm, 30mm, or 40mm, layered in 3, 5, or 7 alternating layers for added strength and stability. Setra supplies sawn and processed wood products from responsibly managed forests. The results within this EPD is valid for average KL-trä.

The results are calculated for CLT made of spruce and can be used as an indication for CLT made of pine, which is produced with the same process. Due to the higher density of pine, the biogenic carbon content per m^3 may be somewhat higher.

Product specification

The Swedish pine and spruce come from forests near Setra's sawmills and planing mills, where the lamellas are cut to the right dimension, dried to the correct moisture level, sorted according to strength and finger-jointed to the specified length. The lamellas are then laid in layers at right angles to each other, bonded with adhesive and pressed into solid panels. Finally, the panels are planed, cut to size and machined according to project specifications before being packaged for delivery.

Materials

Material	Weight (kg)	Weight %	Biogenic material, mass-% of product
Adhesives and Sealants	4,45E+00	1,0%	0,0%
Wood	4,59E+02	99,0%	44,2%
Total	**4,63E+02**	**100,0%**	**44,2%**

Packaging

Material	Weight (kg)	Weight %	Biogenic material, mass-% of product
Plastic	1,71E+00	0,4%	0,0%
Wood	3,15E+00	0,7%	0,30%
Pigments	6,78E-04	0,0%	0,0%
Total	**4,86E+00**	**1,0%**	**0,30%**

Technical data:
Density of the product is approximately 463 kg/m^3. Products are produced in accordance with EN 14080:2013. Moisture content of the product is approximately 12%. The lower heating value is 16,9 MJ/kg at 12% moisture content (and 19.2 MJ/kg at dry matter 0%).

Market:
Main markets are Sweden and Europe.

Reference service life, product:
RSL is not applicable as the used stages were not declared. The technical life span is normally the same as the building when not exposed for weathering, which is typically set to 50 or 60 years.

Reference service life, building:
50 years

Additional technical information
More information on KL Trä can be found here:
https://www.setragroup.com/en/clt/

LCA: Calculation rules

Declared unit:
1 m^3 of cross-laminated timber (moisture content of 12%).

Conversion factor to kg [m^3/kg]: 2,16E-03

Cut-off criteria:
All major raw materials and all the essential energy is included. The production process 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. Inherent biogenic carbon and stored energy in packaging material is balanced out directly.

Allocation
The allocation is made in accordance with the provisions of EN 15804. All the impacts from the planing of boards are all allocated to the main product. A conservative approach is used (double accounting) for transport of round timber to the sawmill based on economic allocation factors as outlined in cPCR EN16485.

Data quality:
Specific data for the product composition are provided by the manufacturer. The data represent the production of the declared product and were collected for the period January–December 2024. The LCA has been modelled in EANDOX 1.01, using background data from ecoinvent 3.11, system model "Cut-off by classification". Characterisation factors from EF 3.1 have been applied, in accordance with EN 15804+A2.

The quality of the relevant data used for the EPD in terms of its time, geography and technology representativeness using EN 15804:2012+A2;2019 (Annex E, Table E.1) is mostly very good. The datasets used for pigment, adhesive and fuels have been rated poor for geographical representativeness. No regionally specific datasets were available for these inputs in ecoinvent 3.11, and no supplier-specific data could be obtained. Global datasets have therefore been used as the best available data.

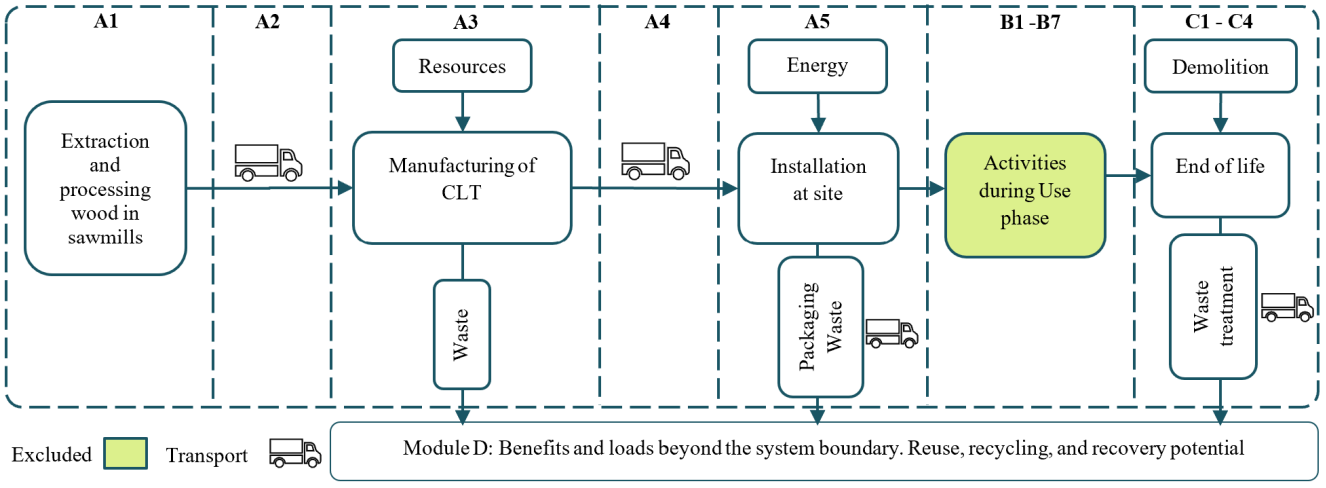
The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data type	Year
Adhesives and Sealants	Ecoinvent 3.11	Collected data	2024
Wood	B10130 (Generic LCA report for an EPD generator: Sawmill products), Martin Erlandsson	Collected data	2025

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

Product stage			Assembly stage		Use stage							End of life stage				Benefits & loads beyond system boundary
Raw material supply	Transport to manufacturer	Manufacturing	Transport to building site	Installation into building	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Demolition	Transport to waste processing	Waste processing for reuse, recovery, recycling	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	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
SE	SE	SE	SE	SE	-	-	-	-	-	-	-	SE	SE	SE	SE	SE

System boundary:



LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD. The scenarios included are currently in use and are representative for one of the most likely scenario alternatives.

Transport from production place to assembly/user (A4)
Setra uses two types of fuel for transport to the construction site (A4), depending on the customer's request. As standard, transport is carried out with reduktionspliktsdiesel. On request, transport can instead be carried out with HVO100. Both fuels have been modelled using ecoinvent 3.11 datasets.

Transport Mode (diesel)	Distance (km)	Capacity Utilisation (%)	Fuel Consumption (MJ/t·km)
Semi trailer 35 ton (Reduktionspliktsdiesel)	300	30,0%	1,350

Transport Mode (HVO)	Distance (km)	Capacity Utilisation (%)	Fuel Consumption (MJ/t·km)
Semi trailer 35 ton (HVO)	300	30,0%	1,350

Assembly (A5)

Input	Amount	Unit
Electricity consumption mix (SE)	0,11	MJ
Reduktionspliktsdiesel 2025	1,07	MJ

End of Life (C1, C3, C4)

Method	Weight (kg)
Collected process specified by type: 1. Collected as mixed construction waste 2. Collected separately	 0,00 463,45
Reuse	0,00
Recycling	0,00
Energy recovery	463,45
Disposal to landfill	0,00

Transport to waste processing (C2)

Transport from production place to assembly/user	Capacity Utilisation (%)	Distance (km)	Fuel Consumption (MJ/t·km)
Lorry, 16 ton, 90% LF + empty return	45,0%	35	1,340

Benefits and loads beyond the system boundaries (D)

Benefit/Load	Unit	Value
Thermal energy from district heating (per MJ fuel)	MJ	-7,65E+03
Wood waste with high efficiency (EoW fulfilled)	kg	4,63E+02

LCA: Scenarios and additional technical information

The result tables are given using a [market based / location based approach] for foreground system (A3)
More information about transparent reporting of electricity in the additional requirements section.

Core environmental impact indicators

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-total	kg CO2 eq	-6,95E+02	1,63E+01	2,52E+01	1,73E-01	1,88E+00	7,52E+02	0,00E+00	-2,83E+02
GWP-fossil	kg CO2 eq	6,08E+01	1,63E+01	1,56E+01	1,73E-01	1,88E+00	9,50E-01	0,00E+00	-2,83E+02
GWP-biogenic	kg CO2 eq	-7,56E+02	5,87E-03	9,61E+00	6,26E-05	6,80E-04	7,51E+02	0,00E+00	-4,84E-02
GWP-LULUC	kg CO2 eq	9,15E-02	1,93E-02	6,37E-03	2,06E-04	2,23E-03	1,13E-03	0,00E+00	-4,33E-02
ODP	kg CFC11 eq	6,18E-06	3,78E-07	3,43E-07	4,02E-09	4,37E-08	2,21E-08	0,00E+00	-2,01E-06
AP	mol H+ eq	6,17E-01	1,67E-01	4,44E-02	1,78E-03	1,93E-02	9,79E-03	0,00E+00	-2,16E+00
EP-freshwater	kg P eq	5,92E-03	2,67E-04	2,25E-03	2,84E-06	3,10E-05	1,56E-05	0,00E+00	-1,11E-01
EP-marine	kg N eq	2,90E-01	8,44E-02	5,91E-02	8,98E-04	9,77E-03	4,94E-03	0,00E+00	-2,47E-01
EP-terrestrial	mol N eq	2,97E+00	8,62E-01	2,04E-01	9,18E-03	9,98E-02	5,05E-02	0,00E+00	-2,71E+00
POCP	kg NMVOC eq	8,60E-01	2,54E-01	6,00E-02	2,70E-03	2,94E-02	1,49E-02	0,00E+00	-8,58E-01
ADP-M&M[2]	kg Sb-Eq	1,84E-04	6,59E-06	1,69E-05	7,02E-08	7,64E-07	3,86E-07	0,00E+00	-4,90E-05
ADP-fossil[2]	MJ	3,91E+03	2,09E+02	2,20E+02	2,22E+00	2,41E+01	1,22E+01	0,00E+00	-2,75E+03
WDP[2]	m³	5,25E+01	6,88E-01	4,09E+00	7,34E-03	7,97E-02	4,04E-02	0,00E+00	-1,19E+00

***GWP-total**: Global Warming Potential; **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; See "additional Norwegian requirements" for indicator given as PO4 eq. EP-marine: Eutrophication potential, fraction of nutrients reaching freshwater end compartment; **EP-terrestrial:** Eutrophication potential, Accumulated Exceedance; **POCP:** Formation potential of tropospheric ozone;*
***ADP-M&M:** Abiotic depletion potential for non-fossil resources (minerals and metals); **ADP-fossil:** Abiotic depletion potential for fossil resources;*
***WDP:** Water deprivation potential, deprivation weighted water consumption*

Additional environmental impact indicators

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PM	Disease incidence	4,78E-05	4,73E-06	2,53E-06	5,04E-08	5,47E-07	2,77E-07	0,00E+00	-2,29E-05
IRP[1]	kBq U235 eq.	1,70E+02	7,31E-02	8,73E+00	7,78E-04	8,46E-03	4,28E-03	0,00E+00	-2,76E+00
ETP-fw[2]	CTUe	3,43E+02	6,87E+01	8,92E+01	7,32E-01	7,95E+00	4,03E+00	0,00E+00	-3,58E+02
HTP-c[2]	CTUh	2,86E-08	2,16E-09	2,96E-09	2,28E-11	2,49E-10	1,25E-10	0,00E+00	-3,70E-08
HTP-nc[2]	CTUh	6,43E-07	5,01E-08	1,04E-07	5,32E-10	5,79E-09	2,93E-09	0,00E+00	-1,04E-06
SQP[2]	Dimensionless	5,86E+04	7,42E+01	2,95E+03	7,92E-01	8,60E+00	4,36E+00	0,00E+00	-1,77E+03

*PM: Particulate matter emissions; **IRP:** Ionising radiation, human health; **ETP-fw:** Ecotoxicity (freshwater); **ETP-c:** Human toxicity, cancer effects; **HTP-nc:** Human toxicity, non-cancer effects; **SQP:** Land use related impacts / soil quality*

[1] 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

[2] 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

Resource use

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	MJ	2,28E+02	7,09E+00	4,66E+02	7,56E-02	8,21E-01	7,85E+03	0,00E+00	-3,62E+03
PERM	MJ	7,90E+03	0,00E+00	-5,38E+01	0,00E+00	0,00E+00	-7,85E+03	0,00E+00	0,00E+00
PERT	MJ	8,13E+03	7,09E+00	4,12E+02	7,56E-02	8,21E-01	0,00E+00	0,00E+00	-3,62E+03
PENRE	MJ	3,80E+03	2,09E+02	2,91E+02	2,22E+00	2,47E+01	1,29E+02	0,00E+00	-3,98E+03
PENRM	MJ	1,32E+02	0,00E+00	-6,62E+01	0,00E+00	0,00E+00	-6,54E+01	0,00E+00	0,00E+00
PENRT	MJ	3,93E+03	2,09E+02	2,25E+02	2,22E+00	2,47E+01	6,36E+01	0,00E+00	-3,98E+03
SM	kg	1,20E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	1,22E+00	1,60E-02	6,55E-02	1,71E-04	1,86E-03	9,39E-04	0,00E+00	8,85E-02

PERE *Renewable primary energy resources used as energy carrier;* ***PERM*** *Renewable primary energy resources used as raw materials;* ***PERT*** *Total use of renewable primary energy resources;* ***PENRE*** *Nonrenewable primary energy resources used as energy carrier;* ***PENRM*** *Nonrenewable primary energy resources used as 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*** *Use of net fresh water.*

End of life – Waste

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	kg	2,05E+00	0,00E+00	5,69E-01	0,00E+00	2,12E-02	0,00E+00	0,00E+00	-9,61E+02
NHWD	kg	6,02E+01	0,00E+00	1,17E+01	0,00E+00	7,36E-02	0,00E+00	0,00E+00	-3,12E+03
RWD	kg	5,08E-02	0,00E+00	5,68E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-6,85E-04

HWD *Hazardous waste disposed;* ***NHWD*** *Non-hazardous waste disposed;* ***RWD*** *Radioactive waste disposed.*

End of life – Output flow

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	9,43E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	3,15E+00	0,00E+00	0,00E+00	4,63E+02	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	1,98E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EET	MJ	0,00E+00	0,00E+00	4,04E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

CRU Components for reuse; MFR Materials for recycling; MER Materials for energy recovery; EEE Exported electric energy; EET Exported thermal energy.

Information describing the biogenic carbon content at the factory gate

Biogenic carbon content	Unit	Value
Biogenic carbon content in product	kg C	2,05E+02
Biogenic carbon content in the accompanying packaging	kg C	1,40E+00

Note: 1 kg biogenic carbon is equivalent to 44/12 (approx. 3.67) kg CO2

LCA: Complemantary scenario results

The results for transport to the construction site (A4) in the main results table are based on transport with reduktionspliktdiesel (10%). On request, transport can instead be carried out with HVO100 (hydrotreated vegetable oil). The table below shows the A4 results for transport with HVO100, which can be used in place of the main A4 results when HVO100 has been chosen. All other modules are unchanged.

Core environmental impact indicators

Indicator	Unit	A1-A3	A4
GWP-total	kg CO2 eq		3,03E+00
GWP-fossil	kg CO2 eq		2,79E+00
GWP-biogenic	kg CO2 eq		4,92E-02
GWP-LULUC	kg CO2 eq		1,86E-01
ODP	kg CFC11 eq		2,41E-07
AP	mol H+ eq		1,81E-01
EP-freshwater	kg P eq		1,01E-03
EP-marine	kg N eq		1,40E-01
EP-terrestrial	mol N eq		9,38E-01
POCP	kg NMVOC eq		2,52E-01
ADP-M&M[2]	kg Sb-Eq		4,30E-05
ADP-fossil[2]	MJ		5,63E+01
WDP[2]	m^3		4,55E+00

***GWP-total**: Global Warming Potential; **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; See "additional Norwegian requirements" for indicator given as PO4 eq. EP-marine: Eutrophication potential, fraction of nutrients reaching freshwater end compartment; **EP-terrestrial:** Eutrophication potential, Accumulated Exceedance; **POCP:** Formation potential of tropospheric ozone; **ADP-M&M:** Abiotic depletion potential for non-fossil resources (minerals and metals); **ADP-fossil:** Abiotic depletion potential for fossil resources; **WDP:** Water deprivation potential, deprivation weighted water consumption*

Additional environmental impact indicators

Indicator	Unit	A1-A3	A4
PM	Disease incidence		4,98E-06
IRP[1]	kBq U235 eq.		1,03E-01
ETP-fw[2]	CTUe		6,19E+02
HTP-c[2]	CTUh		1,08E-08
HTP-nc[2]	CTUh		3,07E-07
SQP[2]	Dimensionless		6,37E+02

*PM: Particulate matter emissions; **IRP:** Ionising radiation, human health; **ETP-fw:** Ecotoxicity (freshwater); **ETP-c:** Human toxicity, cancer effects; **HTP-nc:** Human toxicity, non-cancer effects; **SQP:** Land use related impacts / soil quality*

[1] 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

[2] 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

Resource use

Indicator	Unit	A1-A3	A4
PERE	MJ		6,38E+01
PERM	MJ		0,00E+00
PERT	MJ		6,38E+01
PENRE	MJ		5,64E+01
PENRM	MJ		0,00E+00
PENRT	MJ		5,64E+01
SM	kg		0,00E+00
RSF	MJ		0,00E+00
NRSF	MJ		0,00E+00
FW	m^3		1,06E-01

***PERE** Renewable primary energy resources used as energy carrier; **PERM** Renewable primary energy resources used as raw materials; **PERT** Total use of renewable primary energy resources; **PENRE** Nonrenewable primary energy resources used as energy carrier; **PENRM** Nonrenewable primary energy resources used as 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** Use of net fresh water.*

Additional requirements

Transparent reporting of energy

The EPD provides in the main result tables environmental impact categories based on a market based approach. The information below is provided so EPD users are able to understand the effect of these methodological choices.

The table below shows calculation of GWP-total for energy resources used in the manufacturing process (A3) for each approach.

Energy source	Data source	Amount	Unit	GWP_{total} [kg CO_2-eq/kWh	SUM [kg CO_2-eq]
Location based approach					
Electricity Consumption Grid mix	Ecoinvent 3.11	215,55	kWh	3.43E-02	7.39E+00
Market based approach					
Electricity production, Nuclear power (SE)	Ecoinvent 3.11	176,28	kWh	7.02E-03	1.24E+00
Electricity from Hydro Power (SE)	Ecoinvent 3.11	39,27	kWh	4.36E-03	1.71E-01
Total electricity, market-based		215,55	kWh	6,55E-03	1.41E+00

Indicator	Unit	Market-based	Location-based
GWP-total, A3	kg CO_2-eq	4,44E+00	1,04E+01
GWP-total, A1-A3	kg CO_2-eq	-6,95E+02	-6,89E+02

All electricity used in A3 is covered by guarantees of origin from Vattenfall for the reference year 2024. Electricity from hydro power was used from January to February 2024 (39,27 kWh), and electricity from nuclear power from March to December 2024 (176,28 kWh), giving a combined GWP-total of 6,55E-03 kg CO_2-eq/kWh.

The location-based approach uses the Swedish consumption grid mix, modelled with the ecoinvent 3.11 dataset “market for electricity, medium voltage (SE)”, with a GWP-total of 3,43E-02 kg CO_2-eq/kWh.

Additional environmental impact indicators required for construction products

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.

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-GHG/IOBC	kg CO2 eq	6,11E+01	1,63E+01	2,01E+01	1,73E-01	1,88E+00	9,52E-01	0,00E+00	-2,83E+02

GWP-IOBC Global warming potential calculated according to the principle of instantaneous oxidation.

GWP-GHG/IOBC values for A4 based on HVO100

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-GHG/IOBC	kg CO2 eq		3,03E+00						

GWP-IOBC Global warming potential calculated according to the principle of instantaneous oxidation.

Hazardous substances

The declaration is based upon reference to threshold values and/or test results and/or material safety data sheets provided to EPD verifiers. Documentation available upon request to EPD owner.

- [ ] The product contains no substances given by the REACH Candidate list.
- [x] The product contains substances given by the REACH Candidate list that are less than 0,1 % by weight.
- [ ] The product contains dangerous substances, more then 0,1% by weight, given by the REACH Candidate List, see table
- [ ] The product contains no substances given by the REACH Candidate list.
- [ ] The product is classified as hazardous waste, see table.

Material Name	EC No.	CAS No.	Amount (kg)

No hazardous materials

Indoor environment

Not relevant

Carbon footprint

Carbon footprint according to ISO 14067 has not been worked out for the product.

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	Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products

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