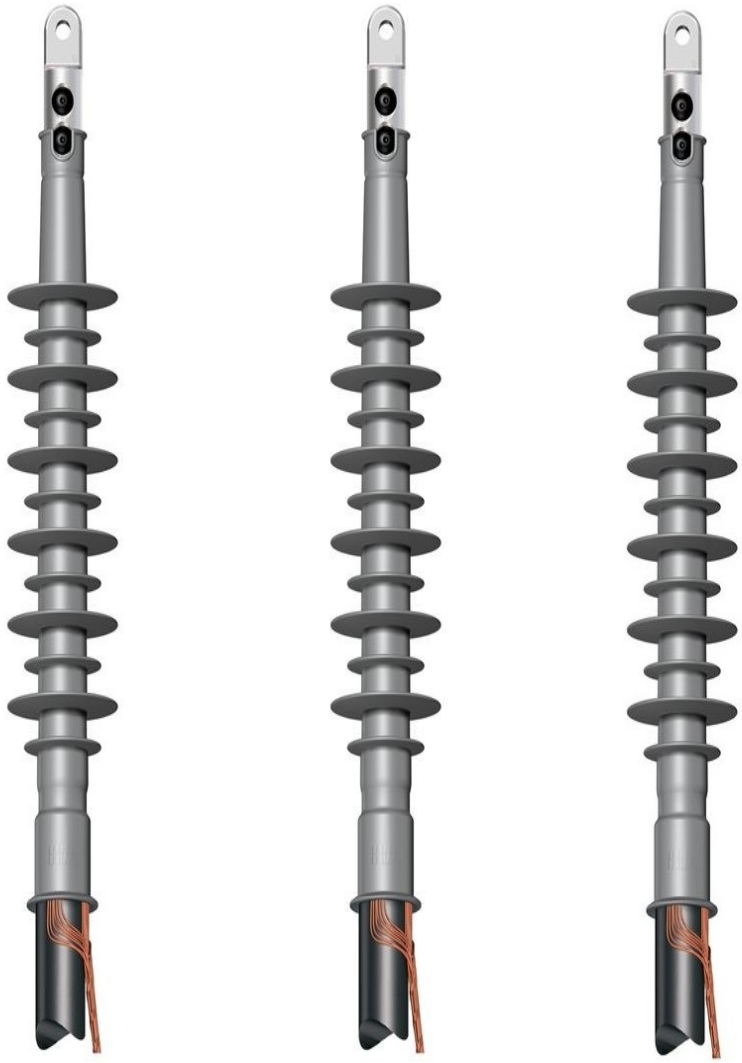
Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

SOT 243A-31 SCL 2 (1 set of 3 pcs terminations)



Owner of the declaration:
NKT A/S - Accessories

Product:
SOT 243A-31 SCL 2 (1 set of 3 pcs terminations)

Declared unit:
1 pcs

This declaration is based on Product Category Rules:
CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 027:2020 Part B for Electrical cables and wires

Program operator:
EPD-Global

Declaration number:
Ref: NEPD-15127-17797

Issue date:
09.03.2026

Valid to:
09.03.2031

EPD software:
LCAno EPD generator ID: 1561054

EPD-Global

General information

Product

SOT 243A-31 SCL 2 (1 set of 3 pcs terminations)

Owner of the declaration:

NKT A/S - Accessories
Contact person: Matthias Schaber
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Program operator:

EPD-Global
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
web: www.epd-global.com

Manufacturer:

NKT HV Cables AB
Rombvägen 4
37165 Lyckeby, Sweden

Declaration number:

Ref: NEPD-15127-17797

Place of production:

NKT production site Alingsås
Sävelundsgatan 2
441 38 Alingsås, Sweden

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 027:2020 Part B for Electrical cables and wires

Management system:

ISO 9001, ISO 14001, ISO 45001

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 information, life cycle assessment data and evidences.

Organisation no:

957 338 690 - NKT owner

Declared unit:

1 pcs SOT 243A-31 SCL 2 (1 set of 3 pcs terminations)

Issue date:

09.03.2026

Declared unit with option:

A1, A2, A3, A4, A5, B1, B2, B3, B4, B5, B6, B7, C1, C2, C3, C4, D

Valid to:

09.03.2031

Year of study:

2024

Functional unit:

1 pc SOT 243A-31 SCL 2 (set of 3 pcs terminations) outdoor cable termination to connect power transmission cables, under operating conditions identical to those of the cable, namely: during 40 years, with a use rate of 100%, according to the standards in force (CENELEC, HD 629.1 S1, SS 424 14 45 edition 1, VDE 0278, KEMA S8, IEEE 404 1993).

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-Global'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-Global, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Global'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-Global. Approval number: NEPDT176

Developer of EPD: Matthias Schaber

Reviewer of company-specific input data and EPD: Kapil Rajan

Verification of EPD tool:

Approved:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPD-Global's procedures and guidelines for verification and approval of EPD tools. Approval number: NEPDT32.

Third party verifier:

Vito D'Incognito, Take Care International

(no signature required)

Product

Product description:

Premolded outdoor cable termination for XLPE- and EPR-insulated 3-core cables with Al- or Cu- conductor for 12-24 kV.

Product specification

Materials	kg	%
Additives	0.052	5.54
Binders and Resins	0.005542	0.5903
Metal - Aluminium	0.138	14.70
Metal - Brass	0.057	6.07
Metal - Steel	0.0324	3.45
Plastics	0.03458	3.68
Rubber	0.6193	65.97
Total	0.9388	100.00

Technical data:

Property	Value
Max. cross section	35 mm^2
Core insulations	11 - 15 mm
Core type	Three-Core
Application	Outdoor termination
DIN norms	SS 424 14 45 edition 1, IEEE 48 1996, CENELEC HD 629.1

Market:

Europe

Reference service life, product

40 years

Reference service life, building or construction works

not applicable

LCA: Calculation rules

Declared unit:

1 pcs SOT 243A-31 SCL 2 (1 set of 3 pcs terminations)

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. The data represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on EPDs according to EN 15804 and different LCA databases. The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data quality	Year
Additives	ecoinvent 3.10.1	Database	2023
Binders and Resins	ecoinvent 3.10.1	Database	2023
Metal - Aluminium	ecoinvent 3.10.1	Database	2023
Metal - Brass	ecoinvent 3.10.1	Database	2023
Metal - Steel	ecoinvent 3.10.1	Database	2023
Plastics	ecoinvent 3.10.1	Database	2023
Rubber	Ecoinvent 3.10.1	Database	2023
Rubber	NKT supplier	Primary data	2019

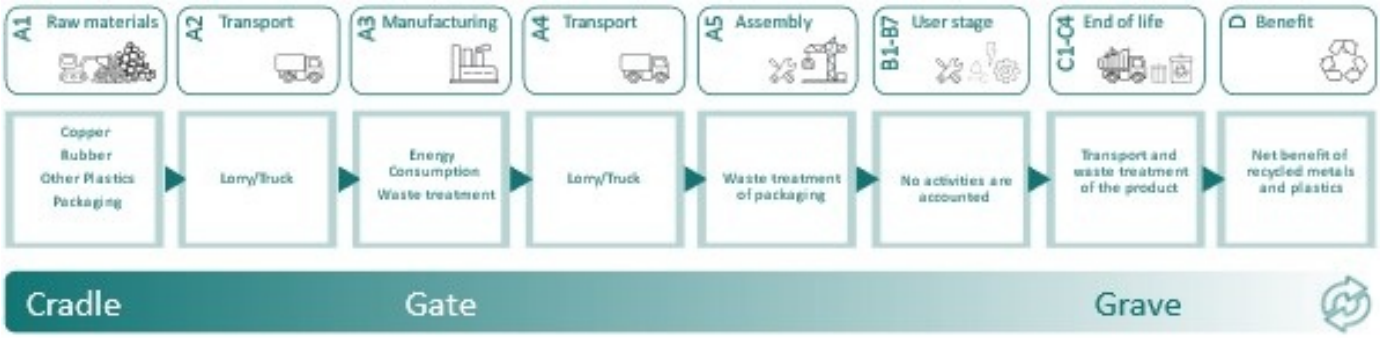
System boundaries (X=included, MND=module not declared, MNR=module not relevant)

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	X	X	X	X	X	X	X	X	X	X	X	X

System boundary:

All modules (A1–A5, B1–B7, C1–C4, and D) are included. If there are no activities in a module, the environmental impact will be zero.

The flowchart below illustrates the system boundaries of the analysis:



Additional technical information:

Not applicable.

LCA: Scenarios and additional technical information

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

Module A4 = A default transport scenario was applied according to EN 50693. Intracontinental transport is assumed to occur by truck over 3500 km.

Modules A5 = Average waste treatment of packaging is accounted for in this module (when relevant). No energy use for installation has been quantified since manual installation performed with portable electrical devices typically results in negligible energy use.

Modules B1, B2, B3, B5, and B7 = Company data shows that no significant activities have been reported for use, maintenance, repair, replacement, refurbishment, and water use. This reflects an absence of impacts during the 40 years reference service life of the power connection accessory in these modules.

Module B6 = The operational energy use of the power connection accessory is calculated based on the methodology described in PEP Ecopassport, Product Specific Rules (PSR) for wires, cables and accessories, reference PSR-0001-ed4-EN-2022 11 16. The following parameters are used to calculate the electricity loss of the power connection accessory:

Calculate electricity loss over the power connection accessories: $E = (R \times I^2 \times ?t)$ with $R = Z \times L \times 10^{-3}$

o ?t = Time in use in seconds – corresponding to the lifetime multiplied with the use rate. Expressed in seconds. Calculated with a reference service life of 40 years and a use rate of 100% percent (according to appendix 1 of the PSR).
o Z = Linear conductor resistivity of 3.08 Ohm per km – determined according to the PSR guidelines.
o L = Length of the conducting part of 0.068 meter.
o I = Standardized current intensity of 1 A. Expressed in Ampere.
o 10^-3 = Conversion factor to meter (if Z is expressed in ohm per meter, this factor is not required)
o 3 600 000 = Conversion factor from Joules to kWh.

The B6 environmental impacts shall be calculated by the EPD user based on the actual intensity, expressed in ampere (A), during product use, by multiplying impacts by the square of this intensity. The EPD remains valid within an intensity range that considers the maximum admissible intensity.

Module C1 = No energy use for de-construction has been quantified since manual de-installation performed with portable electrical devices typically results in negligible energy use.

Module C2 = A default transport scenario was applied according to EN 50693. Local transport is assumed to occur by truck over 1000 km.

Modules C3 and C4 = Waste treatment of the product follows the default values provided in EN 50693, Product Category Rules for life cycle assessments of electronic and electrical products and systems, table G.4. This table specified how different types of raw materials used in A1 will likely be treated during the end-of-life of the product. Waste treatments in C3 include material recycling and incineration with and without energy recovery and fly ash extraction. Disposal in C4 consist of landfilling of different waste fractions and of ashes.

Module D = The recyclability of metals and plastics allows the producers a credit for the net scrap that is produced at the end of a product's life. The benefits from recycling of net scrap are described in formula from EN 15804:2012+A2:2019. Substitution of heat and electricity generated by the incineration with energy recovery of plastic insulation and other parts is also calculated in module D.

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 5 (km) - Europe	38.8 %	3500.00	0.045	l/tkm	157.50

Operational energy (B6)	Unit	Value			
Electricity, European average (kWh)	kWh	0.2202			

Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 5 (km) - Europe	38.8 %	1000.00	0.045	l/tkm	45.00

Waste processing (C3)	Unit	Value			
Waste treatment of non-hazardous waste, incineration with energy recovery and fly ash extraction (kg)	kg	0.2838			
Waste treatment of plastic mixture, incineration with energy recovery and fly ash extraction (kg)	kg	0.07193			
Aluminium to recycling (kg)	kg	0.0966			
Metal to recycling (kg)	kg	0.0342			
Steel to recycling (kg)	kg	0.02592			

Disposal (C4)	Unit	Value			
Landfilling of non-hazardous waste (kg)	kg	0.2838			
Landfilling of plastic mixture (kg)	kg	0.07193			
Landfilling of aluminium (kg)	kg	0.0414			
Landfilling of metal (kg)	kg	0.0228			
Landfilling of steel (kg)	kg	0.00648			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of Polyethylene, HDPE granulate (kg)	kg	0.07193			
Substitution of thermal energy, district heating (MJ)	MJ	1.67			
Substitution of electricity (MJ)	MJ	0.1105			
Substitution of primary aluminium with net scrap (kg)	kg	0.0966			
Substitution of primary other non-ferrous metals with net scrap (kg)	kg	0.0342			
Substitution of primary steel with net scrap (kg)	kg	0.02592			

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	A2	A3	A4	A5	B1	B2	B3
	GWP-total	kg CO_2 -eq	8.36E+00	2.60E-01	7.67E-01	6.51E-01	0	0	0	0
	GWP-fossil	kg CO_2 -eq	8.08E+00	2.59E-01	5.01E-01	6.50E-01	0	0	0	0
	GWP-biogenic	kg CO_2 -eq	2.41E-01	1.98E-04	5.00E-02	4.96E-04	0	0	0	0
	GWP-luluc	kg CO_2 -eq	2.98E-02	9.17E-05	2.16E-01	2.30E-04	0	0	0	0
	ODP	kg CFC11 -eq	1.71E-07	5.37E-09	5.37E-09	1.34E-08	0	0	0	0
	AP	mol H+ -eq	5.09E-02	8.11E-04	1.42E-03	2.03E-03	0	0	0	0
	EP-FreshWater	kg P -eq	1.41E+05	1.72E-05	1.24E-04	4.31E-05	0	0	0	0
	EP-Marine	kg N -eq	2.16E-02	2.74E-04	9.77E-04	6.85E-04	0	0	0	0
	EP-Terrestial	mol N -eq	7.71E-02	2.98E-03	4.89E-03	7.45E-03	0	0	0	0
	POCP	kg NMVOC -eq	2.44E-02	1.27E-03	1.34E-03	3.19E-03	0	0	0	0
	ADP-minerals&metals[1]	kg Sb-eq	3.54E-04	8.49E-07	1.72E-06	2.13E-06	0	0	0	0
	ADP-fossil[1]	MJ	1.29E+02	3.64E+00	3.27E+01	9.13E+00	0	0	0	0
	WDP[1]	m^3	1.50E+02	1.79E-02	1.53E+00	4.48E-02	0	0	0	0

Indicator		Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	7.48E-02	0	0.00E+00	1.86E-01	3.18E-01	2.85E-02	-1.13E+00
	GWP-fossil	kg CO_2 -eq	0	0	7.21E-02	0	0.00E+00	1.86E-01	3.18E-01	2.04E-02	-1.11E+00
	GWP-biogenic	kg CO_2 -eq	0	0	2.53E-03	0	0.00E+00	1.42E-04	9.55E-06	8.06E-03	-4.74E-03
	GWP-luluc	kg CO_2 -eq	0	0	2.21E-04	0	0.00E+00	6.56E-05	3.65E-06	1.35E-06	-1.68E-02
	ODP	kg CFC11 -eq	0	0	1.33E-09	0	0.00E+00	3.84E-09	2.48E-10	4.10E-10	-7.06E-04
	AP	mol H+ -eq	0	0	4.24E-04	0	0.00E+00	5.81E-04	1.21E-04	4.73E-05	-6.76E-03
	EP-FreshWater	kg P -eq	0	0	6.71E-05	0	0.00E+00	1.23E-05	1.30E-05	1.80E-05	-7.18E-05
	EP-Marine	kg N -eq	0	0	6.65E-05	0	0.00E+00	1.96E-04	6.79E-05	5.33E-04	-9.32E-04
	EP-Terrestial	mol N -eq	0	0	5.96E-04	0	0.00E+00	2.13E-03	5.82E-04	1.67E-04	-1.01E-02
	POCP	kg NMVOC -eq	0	0	1.96E-04	0	0.00E+00	9.10E-04	1.52E-04	1.13E-04	-4.08E-03
	ADP-minerals&metals[1]	kg Sb-eq	0	0	9.73E-07	0	0.00E+00	6.08E-07	4.13E-08	1.81E-08	-1.52E-06
	ADP-fossil[1]	MJ	0	0	1.68E+00	0	0.00E+00	2.61E+00	1.33E-01	1.16E-01	-1.70E+01
	WDP[1]	m^3	0	0	4.57E-02	0	0.00E+00	1.28E-02	3.07E-02	6.08E-01	-4.88E+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"

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

Not applicable.

Additional environmental impact indicators

Indicator		Unit	A1	A2	A3	A4	A5	B1	B2	B3
	PM	Disease incidence	5.48E-07	2.01E-08	2.67E-08	5.04E-08	0	0	0	0
	IRP[2]	kgBq U235 -eq	1.14E+00	4.65E-03	2.30E+00	1.16E-02	0	0	0	0
	ETP-fw[1]	CTUe	7.00E+01	4.79E-01	2.36E+00	1.20E+00	0	0	0	0
	HTP-c[1]	CTUh	6.73E-09	0.00E+00	2.09E-10	0.00E+00	0	0	0	0
	HTP-nc[1]	CTUh	3.14E-07	2.68E-09	6.86E-09	6.72E-09	0	0	0	0
	SQP[1]	dimensionless	4.85E+01	2.17E+00	5.05E+00	5.43E+00	0	0	0	0

Indicator		Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	1.51E-09	0	0.00E+00	1.44E-08	9.75E-10	7.52E-10	-7.45E-08
	IRP[2]	kgBq U235 -eq	0	0	4.63E-02	0	0.00E+00	3.33E-03	3.32E-04	5.63E-04	-6.21E-02
	ETP-fw[1]	CTUe	0	0	2.56E-01	0	0.00E+00	3.42E-01	8.74E-01	4.41E+01	-1.78E+01
	HTP-c[1]	CTUh	0	0	2.40E-11	0	0.00E+00	0.00E+00	7.20E-11	5.00E-12	-2.54E-09
	HTP-nc[1]	CTUh	0	0	1.26E-09	0	0.00E+00	1.92E-09	2.03E-09	5.90E-10	-2.06E-08
	SQP[1]	dimensionless	0	0	3.73E-01	0	0.00E+00	1.55E+00	6.52E-02	2.46E-01	-1.55E+00

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 = Potential Soil Quality Index (dimensionless)

"Reading example: 9.0 E-03 = 9.0*10-3 = 0.009"

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	A2	A3	A4	A5	B1	B2	B3
	PERE	MJ	5.08E+01	6.30E-02	2.17E+01	1.58E-01	0	0	0	0
	PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0
	PERT	MJ	5.08E+01	6.30E-02	2.17E+01	1.58E-01	0	0	0	0
	PENRE	MJ	1.25E+02	3.64E+00	3.27E+01	9.13E+00	0	0	0	0
	PENRM	MJ	4.00E+00	0.00E+00	-1.69E-02	0.00E+00	0	0	0	0
	PENRT	MJ	1.29E+02	3.64E+00	3.26E+01	9.13E+00	0	0	0	0
	SM	kg	4.89E-02	0.00E+00	4.88E-02	0.00E+00	0	0	0	0
	RSF	MJ	1.59E-03	2.11E-05	2.55E-02	5.28E-05	0	0	0	0
	NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0
	FW	m^3	3.51E+00	4.91E-04	4.12E-02	1.23E-03	0	0	0	0

Indicator		Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
	PERE	MJ	0	0	4.60E-01	0	0.00E+00	4.51E-02	5.25E-03	1.09E-02	-5.00E+00
	PERM	MJ	0	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PERT	MJ	0	0	4.60E-01	0	0.00E+00	4.51E-02	5.25E-03	1.09E-02	-5.00E+00
	PENRE	MJ	0	0	1.68E+00	0	0.00E+00	2.61E+00	1.33E-01	1.16E-01	-1.40E+01
	PENRM	MJ	0	0	0.00E+00	0	0.00E+00	0.00E+00	-3.98E+00	0.00E+00	-3.06E+00
	PENRT	MJ	0	0	1.68E+00	0	0.00E+00	2.61E+00	-3.85E+00	1.16E-01	-1.70E+01
	SM	kg	0	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-9.70E-04
	RSF	MJ	0	0	2.21E-06	0	0.00E+00	1.51E-05	3.05E-06	6.85E-05	7.19E-04
	NRSF	MJ	0	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-02
	FW	m^3	0	0	1.45E-03	0	0.00E+00	3.51E-04	5.04E-04	3.07E-05	-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"

End of life - Waste

Indicator		Unit	A1	A2	A3	A4	A5	B1	B2	B3
	HWD	kg	6.85E-01	5.23E-03	7.19E-02	1.31E-02	0	0	0	0
	NHWD	kg	1.59E+01	1.10E-01	2.96E+00	2.76E-01	0	0	0	0
	RWD	kg	3.62E-03	1.16E-06	4.91E-04	2.89E-06	0	0	0	0

Indicator		Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
	HWD	kg	0	0	4.24E-03	0	0.00E+00	3.74E-03	1.68E-02	2.80E-03	-3.18E-03
	NHWD	kg	0	0	3.28E-01	0	0.00E+00	7.89E-02	4.99E-01	1.81E+00	-1.84E+00
	RWD	kg	0	0	0.00E+00	0	0.00E+00	8.27E-07	6.13E-08	2.50E-07	-4.16E-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"

End of life - Output flow

Indicator		Unit	A1	A2	A3	A4	A5	B1	B2	B3
	CRU	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0
	MFR	kg	0.00E+00	0.00E+00	1.13E-01	0.00E+00	0	0	0	0
	MER	kg	0.00E+00	0.00E+00	2.79E-09	0.00E+00	0	0	0	0
	EEE	MJ	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0	0	0	0
	EET	MJ	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0	0	0	0

Indicator		Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
	CRU	kg	0	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	MFR	kg	0	0	0.00E+00	0	0.00E+00	0.00E+00	1.57E-01	4.93E-06	0.00E+00
	MER	kg	0	0	0.00E+00	0	0.00E+00	0.00E+00	3.56E-01	2.16E-09	0.00E+00
	EEE	MJ	0	0	0.00E+00	0	0.00E+00	0.00E+00	7.16E-05	6.06E-05	0.00E+00
	EET	MJ	0	0	0.00E+00	0	0.00E+00	0.00E+00	1.01E-04	5.49E-04	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"

Biogenic Carbon Content

Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	0.00E+00
Biogenic carbon content in accompanying packaging	kg C	0.00E+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).

Dangerous substances

The product contains substances given by the REACH Candidate list that are less than 0,1 % by weight.

Indoor environment

Not applicable.

Additional Environmental Information

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

Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3
GWPIOBC	kg CO_2 -eq	2.76E+00	2.60E-01	7.59E-01	6.50E-01	0	0	0	0

Indicator	Unit	B4	B5	B6	B7	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	7.25E-02	0	0.00E+00	1.86E-01	3.18E-01	2.85E-02	-1.11E+00

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.

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