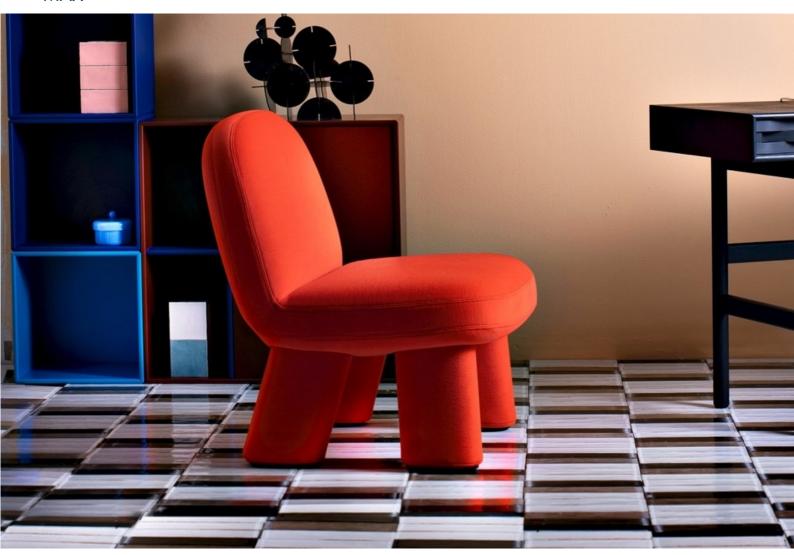




Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

MAX





The Norwegian EPD Foundation

Owner of the declaration:

Blå Station AB

Product:

MAX

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-9404-9005

Registration number:

NEPD-9404-9005

Issue date: 18.03.2025

Valid to: 18.03.2030

EPD software:

LCAno EPD generator ID: 761397



General information

Product

MAX

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-9404-9005

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 MAX

Declared unit (cradle to gate) with option:

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

Functional unit:

Max is a soft comfort in generous shape. Johan Ansander has transformed his all-wooden easy-chair Maximus into springy lushness. Max will populate any space, private or public, with a boisterous character almost as if the furniture piece had a life of its own. Johan Ansander has put plenty of time in meticulously crafted seams that result in a happy mimetic attitude.

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:

Owner of the declaration:

Bla Station AB

Contact person: William Lövdahl Phone: 044-30 00 348 e-mail: william@blastation.se

Manufacturer:

Blå Station AB

Place of production:

Blå Station AB

. Sweden

Management system:

ISO 9001:2015 - ISO 14001:2015

Organisation no:

556272-1091

Issue date:

18.03.2025

Valid to:

18.03.2030

Year of study:

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: William Lövdahl

Reviewer of company-specific input data and EPD: Isaac Svensson

Approved:

Håkon Hauan

Managing Director of EPD-Norway



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:

Håkon Hauan, CEO EPD-Norge

Elisabet Amat, GREENIZE projects

(no signature required)

Product

Product description:

MAX is a furniture produced for non-domestic environments, providing softness and elegance through through it's generous shape. Max is a continuation of Maximus, as well as two completely independent characters.' While Maximus is all softly shaped wood, Max is crafted with nosaq springs covered with molded foam all held in place by an exact and quite demanding stitching process. The tensioned convex surface ensures comfort and a novel expression that lasts, while also keeping the graphic expression happy and present.

https://www.blastation.com/products/product-families/maximus/max

Product specification

Materials: Fully upholstered Easy Chair. Steel and wood frame. Nosag springs. Molded polyurethane. Upholstered in fabric or leather. Wooden feet with plastic fittings.

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Metal - Steel	6,72	46,43	1,25	18,60
Plastic - Polyurethane (PUR)	6,28	43,39	0.00	0.00
Textile - Wool	0,97	6,73	0,10	11,20
Wood - Plywood	0,49	3,44	0.00	0.00
Total	14,47	100,00	1,36	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging	3,25	23,86	2,28	70,00
Packaging - Recycled plastic	0,37	2,72	0,37	100,00
Packaging - Wood	10,00	73,42	0,00	0,00
Total incl. packaging	28,09	100,00	4,01	

Technical data:

Dimensions:

Seat height 41 Overall height 75 Seat width 63 Overall width 63 Seat depth 47 Overall depth 70

Market:

European market

Reference service life, product

The lifetime of the product depends on the application.

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs MAX

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.

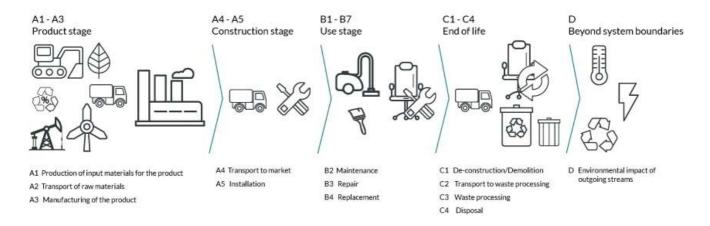
BLĂ STATION

Materials	Source	Data quality	Year
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging	ecoinvent 3.6	Database	2019
Packaging - Recycled plastic	ecoinvent 3.6	Database	2019
Packaging - Wood	Modified ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Textile - Wool	MD-23110-EN_rev1	EPD	2021
Wood - Plywood	modified ecoinvent 3.6	Database	2019

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

Р	roduct stag	ge	Construction installation stage		Use stage					Use stage End of life stage Beyond the system boundaries			End of life stage			
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurb ishment	Operational energy use	Operational water use	De- construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery- Recycling-potential
A1	A2	A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D
Χ	Χ	Χ	Χ	Χ	MND	Χ	Χ	Χ	MND	MND	MND	Χ	Χ	Χ	Χ	X

System boundary:



Additional technical information:

Maintenance and service guides:

For maintenance and service guides, please visit our website at: https://www.blastation.com/downloads/care-instructions

Blå Station offers solutions for renovations and recycling based on customer's preferences, product, condition, quantity and region. Please contact Blå Station for more information.

LCA: Scenarios and additional technical information

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

Absence of data for user and end of life stage:

B1: User stage is fully dependent on application and environment of the product.

B3-B5: Reparation, replacement and refurbishment of the product is dependent on non-domestic usage. Reparation, replacement, and refurbishment are possible, please contact Blå Station for further information for possible solutions.

B6-B7: MAX does not require energy nor water for operational usage.

C1: No special tools are needed for De-construction or demolition of ingoing materials.

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 %	500	0,043	l/tkm	21,50
Assembly (A5)	Unit	Value			
Waste, Packaging cardboard, corrugated, 70 % recycled, to average treatment (kg)	kg	3,25			
Waste, packaging, plastic film (LDPE), to average treatment - A5 (kg)	kg	0,37			
Waste, packaging, pallet, EUR wooden pallet, reusable, average treatment (kg)	kg	10.00			
Maintenance (B2)	Unit	Value			
Water, tap water (kg)	kg	0,50			
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 %	30	0,043	l/tkm	1,29
Waste processing (C3)	Unit	Value			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	0,97			
Waste, materials to recycling (kg)	kg	2,28			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	6,72			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	6,28			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	0,49			
Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,048			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	4,43			
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0,23			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,0057			
Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity (MJ)	MJ	10,056			
Substitution of thermal energy, district heating (MJ)	МЈ	152,14			
Substitution of primary steel with net scrap (kg)	kg	1,74			



LCA: Results

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

Environme	ntal impact							
	Indicator	Unit		A1-A3	A4	A5	B2	В3
	GWP-total	kg CO ₂ -	eq	6,23E+01	1,43E+00	9,01E+00	1,73E-04	0
	GWP-fossil	kg CO ₂ -eq		8,11E+01	1,43E+00	9,54E-02	1,72E-04	0
	GWP-biogenic	kg CO ₂ -	eq	-1,89E+01	5,92E-04	5,87E+00	1,08E-06	0
	GWP-Iuluc	kg CO ₂ -	eq	1,18E-01	5,09E-04	2,31E-05	2,79E-07	0
٨	ODP	kg CFC11	-eq	2,58E-06	3,24E-07	1,50E-08	1,50E-11	0
C.	AP	mol H+ -	eq	3,42E-01	4,11E-03	3,93E-04	1,00E-06	0
	EP-FreshWater	kg P -ed	7	4,31E-03	1,14E-05	6,53E-07	1,37E-08	0
	EP-Marine	kg N -ed	9	7,59E-02	8,13E-04	1,62E-04	1,59E-07	0
**	EP-Terrestial	mol N -e	eq	7,58E-01	9,09E-03	1,52E-03	1,85E-06	0
	POCP	kg NMVOC	:-eq	2,33E-01	3,48E-03	4,27E-04	5,81E-07	0
	ADP-minerals&metals ¹	kg Sb-e	9	8,27E-04	3,95E-05	1,65E-06	4,80E-09	0
	ADP-fossil ¹	МЈ		1,26E+03	2,16E+01	1,01E+00	2,93E-03	0
<u></u>	WDP ¹	m ³		2,44E+03	2,09E+01	1,60E+00	5,22E-02	0
(70)	WDP	m³		2, 44 E+03	2,091	1,000	J,22L-02	U
70	Indicator	Unit	B4	2,44E+03	C2	C3	C4	D
			B4 0					
	Indicator	Unit		C1	C2	C3	C4	D
	Indicator GWP-total	Unit kg CO ₂ -eq	0	C1 0	C2 8,58E-02	C3 2,08E+01	C4 6,82E-02	D -2,84E+00
	Indicator GWP-total GWP-fossil	Unit kg CO ₂ -eq kg CO ₂ -eq	0	C1 0	C2 8,58E-02 8,58E-02	C3 2,08E+01 1,69E+01	C4 6,82E-02 6,81E-02	D -2,84E+00 -2,81E+00
	Indicator GWP-total GWP-fossil GWP-biogenic	Unit kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq	0 0	C1 0 0	C2 8,58E-02 8,58E-02 3,55E-05	C3 2,08E+01 1,69E+01 3,86E+00	C4 6,82E-02 6,81E-02 5,26E-05	D -2,84E+00 -2,81E+00 -2,88E-03
P P P P P P P P P P	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc	Unit kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq	0 0 0	0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP	Unit kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq	0 0 0 0	0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP	Unit kg CO ₂ -eq mol H+ -eq	0 0 0 0 0	0 0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08 2,46E-04	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08 1,49E-02	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08 4,10E-04	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02 -1,68E-02
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater	witk kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq	0 0 0 0 0 0	0 0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08 2,46E-04 6,85E-07	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08 1,49E-02 5,88E-06	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08 4,10E-04 7,51E-07	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02 -1,68E-02 -1,97E-04
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine	kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq	0 0 0 0 0 0	0 0 0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08 2,46E-04 6,85E-07 4,88E-05	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08 1,49E-02 5,88E-06 8,31E-03	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08 4,10E-04 7,51E-07 1,43E-04	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02 -1,68E-02 -1,97E-04 -4,35E-03
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08 2,46E-04 6,85E-07 4,88E-05 5,45E-04	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08 1,49E-02 5,88E-06 8,31E-03 7,95E-02	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08 4,10E-04 7,51E-07 1,43E-04 1,59E-03	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02 -1,68E-02 -1,97E-04 -4,35E-03 -4,59E-02
	Indicator GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial POCP	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq g NMVOC -eq	0 0 0 0 0 0 0	C1 0 0 0 0 0 0 0 0	C2 8,58E-02 8,58E-02 3,55E-05 3,05E-05 1,94E-08 2,46E-04 6,85E-07 4,88E-05 5,45E-04 2,09E-04	C3 2,08E+01 1,69E+01 3,86E+00 1,04E-04 8,62E-08 1,49E-02 5,88E-06 8,31E-03 7,95E-02 1,89E-02	C4 6,82E-02 6,81E-02 5,26E-05 1,76E-05 1,70E-08 4,10E-04 7,51E-07 1,43E-04 1,59E-03 4,54E-04	D -2,84E+00 -2,81E+00 -2,88E-03 -3,12E-02 -6,43E-02 -1,68E-02 -1,97E-04 -4,35E-03 -4,59E-02 -1,67E-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

Remarks to environmental impacts

[&]quot;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

Additional e	Additional environmental impact indicators											
	Indicator	Unit		A1-A3	A4	A5	B2	В3				
	PM	Disease incidence		5,56E-06	8,75E-08	5,64E-09	9,00E-12	0				
	IRP ²	kgBq U235 -eq		2,20E+00	9,45E-02	4,27E-03	2,03E-05	0				
4	ETP-fw ¹	CTUe		2,74E+03	1,60E+01	1,28E+00	3,17E-03	0				
40 x ************************************	HTP-c ¹	CTUh		1,57E-07	0,00E+00	5,20E-11	1,00E-12	0				
% <u>B</u>	HTP-nc ¹	CTUh		2,24E-06	1,75E-08	2,30E-09	1,10E-11	0				
	SQP ¹	dimensionless		1,68E+03	1,51E+01	7,94E-01	8,19E-04	0				
li li	ndicator	Unit	B4	C1	C2	C3	C4	D				
	PM	Disease incidence	0	0	5,25E-09	5,80E-08	7,08E-09	-6,00E-07				
	IRP ²	kgBq U235 -eq	0	0	5,67E-03	1,10E-02	5,26E-03	-7,37E-02				
	ETP-fw ¹	CTUe	0	0	9,61E-01	4,57E+01	9,85E-01	-1,76E+02				
44. ** * <u>*</u>	HTP-c ¹	CTUh	0	0	0,00E+00	1,41E-09	4,10E-11	-1,05E-08				
& <u>₽</u>	HTP-nc ¹	CTUh	0	0	1,05E-09	4,95E-08	1,24E-09	1,35E-07				

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)

9,07E-01

7,97E-01

2,91E+00

-8,56E+01

dimensionless

SQP¹

[&]quot;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		Uni	it	A1-A3	A4	A5	B2	В3
	PERE		MJ		2,76E+02	3,09E-01	1,84E-02	3,98E-04	0
	PERM		MJ		1,86E+02	0,00E+00	-1,73E+02	0,00E+00	0
F.	PERT		MJ	J	4,62E+02	3,09E-01	-1,73E+02	3,98E-04	0
a	PENRE		MJ	J	1,07E+03	2,16E+01	1,01E+00	2,93E-03	0
49	PENRM		MJ	J	2,11E+02	0,00E+00	-1,58E+01	0,00E+00	0
IA	PENRT		MJ	J	1,28E+03	2,16E+01	-1,47E+01	2,93E-03	0
	SM		kg)	4,01E+00	0,00E+00	0,00E+00	0,00E+00	0
2	RSF		MJ	J	8,31E-01	1,11E-02	5,77E-04	3,19E-05	0
	NRSF		MJ	J	1,12E+00	3,96E-02	2,95E-03	3,15E-05	0
&	FW		m ³	3	1,46E+00	2,31E-03	5,26E-04	5,03E-04	0
	ndicator	Unit	t	В4	C1	C2	C3	C4	D
्र (हे	ndicator PERE	Unit MJ		B4 0	C1 0	C2 1,86E-02	C3 1,97E-01	C4 3,11E-02	D -7,92E+01
Ç.	PERE	МЈ		0	0	1,86E-02	1,97E-01	3,11E-02	-7,92E+01
i I	PERE PERM	МЈ		0	0	1,86E-02 0,00E+00	1,97E-01 -1,29E+01	3,11E-02 0,00E+00	-7,92E+01 0,00E+00
्र ड इन्	PERE PERM PERT	MJ MJ		0 0 0	0 0	1,86E-02 0,00E+00 1,86E-02	1,97E-01 -1,29E+01 -1,27E+01	3,11E-02 0,00E+00 3,11E-02	-7,92E+01 0,00E+00 -7,92E+01
€ 19 14: 14:	PERE PERM PERT PENRE	MJ MJ		0 0 0	0 0 0	1,86E-02 0,00E+00 1,86E-02 1,30E+00	1,97E-01 -1,29E+01 -1,27E+01 7,11E+00	3,11E-02 0,00E+00 3,11E-02 1,28E+00	-7,92E+01 0,00E+00 -7,92E+01 -2,88E+01
I I I I	PERE PERM PERT PENRE PENRM	MJ MJ MJ		0 0 0 0 0	0 0 0 0	1,86E-02 0,00E+00 1,86E-02 1,30E+00 0,00E+00	1,97E-01 -1,29E+01 -1,27E+01 7,11E+00 -1,95E+02	3,11E-02 0,00E+00 3,11E-02 1,28E+00 0,00E+00	-7,92E+01 0,00E+00 -7,92E+01 -2,88E+01 0,00E+00
	PERE PERM PERT PENRE PENRM PENRT	MJ MJ MJ MJ		0 0 0 0 0	0 0 0 0 0	1,86E-02 0,00E+00 1,86E-02 1,30E+00 0,00E+00 1,30E+00	1,97E-01 -1,29E+01 -1,27E+01 7,11E+00 -1,95E+02 -1,88E+02	3,11E-02 0,00E+00 3,11E-02 1,28E+00 0,00E+00 1,28E+00	-7,92E+01 0,00E+00 -7,92E+01 -2,88E+01 0,00E+00 -2,88E+01
	PERE PERM PERT PENRE PENRM PENRT SM	MJ MJ MJ MJ MJ kg		0 0 0 0 0 0	0 0 0 0 0 0	1,86E-02 0,00E+00 1,86E-02 1,30E+00 0,00E+00 1,30E+00 0,00E+00	1,97E-01 -1,29E+01 -1,27E+01 7,11E+00 -1,95E+02 -1,88E+02 0,00E+00	3,11E-02 0,00E+00 3,11E-02 1,28E+00 0,00E+00 1,28E+00 0,00E+00	-7,92E+01 0,00E+00 -7,92E+01 -2,88E+01 0,00E+00 -2,88E+01 0,00E+00

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; 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		Uı	nit	A1-A3	A4	A5	B2	В3
	HWD	kg		g	1,69E-01	1,11E-03	0,00E+00	5,54E-07	0
Ū	NHWD		k	g	9,47E+00	1,05E+00	4,12E+00	3,56E-05	0
<u> </u>	RWD		kg		5,99E-03	1,47E-04	0,00E+00	1,72E-08	0
In	dicator		Unit	B4	C1	C2	C3	C4	D
Ā	HWD		kg	0	0	6,69E-05	0,00E+00	4,60E+00	-1,06E-02
Ū	NHWD		kg	0	0	6,31E-02	0,00E+00	2,09E-01	-1,08E+00
<u></u>	RWD		kg	0	0	8,83E-06	0,00E+00	7,83E-06	-6,07E-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								
Ind	Indicator			A1-A3	A4	A5	B2	В3
®	CRU	kç	9	0,00E+00	0,00E+00	9,50E+00	0,00E+00	0
&▷	MFR	kç		9,02E-03	0,00E+00	3,21E+00	0,00E+00	0
DF	MER	kç		1,55E-02	0,00E+00	7,23E-01	0,00E+00	0
50	EEE	М	МЈ		0,00E+00	5,31E-01	0,00E+00	0
DB.	EET	М	MJ		0,00E+00	8,03E+00	0,00E+00	0
Indicato	or	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	2,28E+00	0,00E+00	0,00E+00
DV	MER	kg	0	0	0,00E+00	1,45E+01	0,00E+00	0,00E+00
50	EEE	МЈ	0	0	0,00E+00	1,00E+01	0,00E+00	0,00E+00
	EET	MJ	0	0	0,00E+00	1,52E+02	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								
Unit	At the factory gate							
kg C	6,78E-01							
kg C	5,64E+00							
	kg C							

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, European average (kWh)	ecoinvent 3.6	428,03	g CO2-eg/kWh

Dangerous substances

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

Indoor environment

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO ₂ -eq	62,28	1,43	93,66	90,82
Total energy consumption	MJ	1344,59	21,97	1377,60	1267,03
Amount of recycled materials	%	14.26			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit		A1-A3	A4	A5	B2	В3
GWPIOBC	kg CO ₂ -eq		8,08E+01	1,43E+00	2,36E+00	1,73E-04	0
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO ₂ -eq	0	0	8,58E-02	1,85E+01	7,20E-02	-3,78E+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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