epd-global
Powered by EPD-Norway

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Chat adjustable desks

lekolar®

EPD-Global

Owner of the declaration:
Lekolar

Product:
Chat adjustable desks

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:
EPD-Global

Declaration number:
NEPD-14392-14797

Issue date:
10.12.2025

Valid to:
10.12.2030

EPD software:
LCAno EPD generator ID: 1350778

General information

Product

Chat adjustable desks

Owner of the declaration:

Lekolar
Contact person: Hanna Bremander
Phone: 0479-19900
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Program operator:

EPD-Global
Post Box 5250 Majorstuen, 0303 Oslo, Norway
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web: www.epd-global.com

Manufacturer:

Lekolar

Declaration number:

NEPD-14392-14797

Place of production:

Lekolar
Hallarydsvägen 8
283 36 Osby, 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 27001, ISO 9001:2015, ISO 45001:2018, ISO 14001:2015

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:

556605-0646

Declared unit:

1 pcs Chat adjustable desks

Issue date:

10.12.2025

Declared unit (cradle to gate) with option:

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

Valid to:

10.12.2030

Year of study:

2024

Functional unit:

The functional unit is defined as one (1) Chat desk.

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.

Developer of EPD: Hanna Bremander

Reviewer of company-specific input data and EPD: Frida Andersson

Verification of EPD tool:

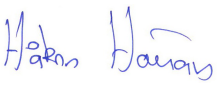
Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPD-Global's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Approved:



Håkon Hauan, CEO EPD-Global

Product

Product description:

The Chat desk is a height-adjustable workstation designed to support ergonomic and flexible working environments. Equipped with an electric lifting system, the desk offers a smooth and reliable height adjustment range from 615 to 1275 mm (±5 mm, excluding tabletop), allowing users to alternate effortlessly between seated and standing positions. The tabletop is made from durable direct-laminate with an ABS edge band for increased resistance to wear, while the powder-coated steel frame ensures stability and long-term durability. The desk is also fitted with adjustable feet for secure placement on uneven floors and features an anti-collision safety function that automatically stops movement if an obstruction is detected.

Read more at www.Lekolar.com

Product specification

The Chat desk is designed as a robust and adaptable height-adjustable workstation suitable for both educational and professional environments. With a generous tabletop measuring 180 × 120 cm, the desk offers ample space for a variety of tasks, equipment and collaborative work. Its electrically adjustable frame allows the height to be set anywhere between 615 and 1275 mm, enabling smooth transitions between sitting and standing positions and supporting ergonomic working postures for users of different ages and needs. The tabletop is manufactured in durable direct-laminate with ABS edging for enhanced resistance to wear, while the powder-coated steel frame provides stability and long-term structural integrity. Adjustable feet ensure secure placement even on uneven surfaces, and an integrated anti-collision function increases safety during height adjustment.

Desk Chat is available in multiple sizes, and the underframe comes in a wide range of colors

The following variants are included in this EPD:

Desk Chat, 100x60
Desk Chat, 100x80
Desk Chat, 120x60
Desk Chat, 120x80
Desk Chat, 140x70
Desk Chat, 140x80
Desk Chat, 160x80
Desk Chat, 180x80
Desk Chat, 200x80
Desk Chat, 160x120, Right
Desk Chat, 160x120, Left
Desk Chat, 180x120, Right

The following options are included in this EPD:
Frontpanel 100x50
Frontpanel 120x50
Frontpanel 140x50
Frontpanel 160x50
Frontpanel 180x50
Frontpanel 200x50

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Desk frame	27.00	55.67	10.09	37.38
Glue for wood	0.357	0.7361	0.00	0.00
Kraft paper - Unbleached	0.20	0.4124	0.001758	0.8791
Metal - Stainless steel	0.30	0.6186	0.0655	21.83
Plastic - Acrylonitrile butadiene styrene (ABS)	0.63	1.30	0.00	0.00
Plastic - Melamine	3.21	6.62	0.00	0.00
Wood - Chipboard	16.80	34.64	0.00	0.00
Total	48.50	100.00	10.16	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Plastic straps	0.10	100.00	0.00	0.00
Total incl. packaging	48.60	100.00	10.16	

Technical data:

Möbelfakta
Tested in accordance with the EN standards EN 527-1 and EN 527-2.

Market:

Nordic

Reference service life, product

15 years

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs Chat adjustable desks

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
Desk frame	HUB-1436	EPD	2023
Glue for wood	ecoinvent 3.6	Database	2019
Kraft paper - Unbleached	ecoinvent 3.6	Database	2019
Metal - Stainless steel	ecoinvent 3.6	Database	2019
Packaging - Plastic straps	ecoinvent 3.6	Database	2019
Plastic - Acrylonitrile butadiene styrene (ABS)	ecoinvent 3.6	Database	2019
Plastic - Melamine	ecoinvent 3.6	Database	2019
Wood - Chipboard	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:

The life cycle assessment for the Chat desk is defined using a cradle-to-grave system boundary with the inclusion of Module D, covering all stages from raw material extraction to end-of-life treatment and potential benefits beyond the system boundary.

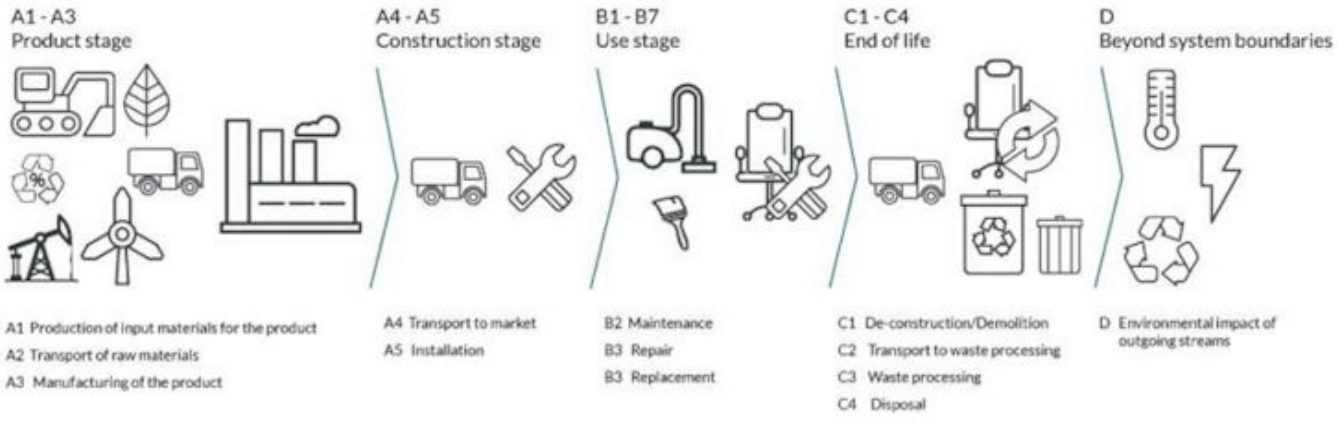
The product stage (A1–A3) includes the sourcing and processing of raw materials such as steel for the frame, electronic components for the lifting system, and laminated wood materials for the tabletop. Transport of these materials to the manufacturing facility, as well as the full production process including assembly, energy use, and internal waste handling, are incorporated in these modules.

Transport to the user (A4) assumes typical road freight conditions from the production site to the final destination, including protective packaging. Installation (A5) requires no additional resources beyond unpacking and positioning the desk; packaging waste is sorted for recycling or energy recovery.

During the use phase, maintenance (B2) is limited to simple cleaning and requires no replacements of components, lubricants, or consumables. Due to the durability of the frame, lifting mechanism, and tabletop, no repairs (B3) or component replacements (B4) are expected within the reference service life.

At the end of life, the desk is manually dismantled (C1) and transported via road to a waste management facility (C2). Waste processing (C3) includes sorting of materials for recycling—particularly metals and electronics—and energy recovery of suitable wood fractions. Residual materials that cannot be recovered are disposed of in landfill (C4).

Module D accounts for benefits beyond the system boundary, including avoided impacts from the recycling of steel and electronic components, as well as substituted energy produced through the recovery of combustible material fractions. These credits reflect the potential environmental advantages of material recovery at the product's end of life.



Additional technical information:

For maintenance instructions, please visit:

https://www.lekolar.se/aktuellt/skotselrad-mobler-och-inredning/

LCA: Scenarios and additional technical information

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

The life-cycle scenarios for the Chat table describe the assumed conditions from raw material extraction to end-of-life treatment. In the product stage (A1–A3), all raw materials—such as wood-based components, metal parts, electronic lifting components, and surface treatments—are extracted and processed within typical European supply chains. These materials are then transported to the manufacturing facility in Osby, where the table is produced using site-specific energy consumption and auxiliary inputs. Waste generated during manufacturing is managed through internal recycling or energy recovery, following standard industry practices.

After production, the table is transported by road to the user (A4), based on typical freight conditions, average transport distances, and protective packaging used to ensure the product's integrity during distribution. Installation (A5) requires only simple tools and no additional materials beyond those delivered with the table. Assembly is straightforward, and packaging waste—mainly cardboard and plastic bands—is removed on site and sent to recycling or energy recovery.

During the use phase, maintenance (B2) is assumed to be minimal and limited to ordinary cleaning with mild detergents. No repairs are expected throughout the table's reference service life (B3), and no components require replacement (B4), as the product is designed and constructed to maintain its function without intervention.

At the end of the table's service life, it is manually deconstructed (C1) and transported by road to a waste management facility (C2). Once received, materials are sorted for appropriate processing (C3): metal components and electronic parts are recycled, while wood-based materials are typically directed to energy recovery. Any remaining residues that cannot be recycled or recovered are disposed of through landfill (C4).

Beyond the system boundary, Module D accounts for the potential environmental benefits obtained from material and energy recovery. The recycling of metals contributes to avoided production of primary steel, while energy generated from recovered wood materials can substitute district heating or electricity. These benefits are credited as reductions in environmental impact outside the product system.

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 %	300.00	0.043	l/tkm	12.90

Assembly (A5)	Unit	Value			
Waste, packaging, PET straps, to average treatment - A5 (kg)	kg	0.10			

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 %	85.00	0.043	l/tkm	3.66

Waste processing (C3)	Unit	Value			
Waste treatment per kg Paperboard, incineration with fly ash extraction - C3 (kg)	kg	0.20			
Waste, materials to recycling (kg)	kg	9.26			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	27.30			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	16.80			
Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg)	kg	3.21			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0.357			
Waste treatment per kg Plastics, Mixture, municipal incineration with fly ash extraction (kg)	kg	0.63			

Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Paperboard, process per kg ashes and residues - C4 (kg)	kg	0.003574			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	18.04			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0.1933			
Landfilling of ashes from incineration of Non-hazardous waste, process per kg ashes and residues - C4 (kg)	kg	0.7623			
Landfilling of ashes from incineration of Hazardous waste, from incineration (kg)	kg	0.06747			
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues - C4 (kg)	kg	0.02203			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity, in Norway (MJ)	MJ	14.72			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	222.77			
Substitution of primary steel with net scrap (kg)	kg	0.07956			

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	1.40E+02	2.38E+00	7.92E-03	0	0
	GWP-fossil	kg CO_2 -eq	1.68E+02	2.38E+00	7.92E-03	0	0
	GWP-biogenic	kg CO_2 -eq	-2.84E+01	9.86E-04	1.09E-06	0	0
	GWP-luluc	kg CO_2 -eq	2.69E-01	8.48E-04	6.07E-07	0	0
	ODP	kg CFC11 -eq	1.40E-05	5.39E-07	4.76E-10	0	0
	AP	mol H+ -eq	1.31E+00	6.84E-03	9.76E-06	0	0
	EP-FreshWater	kg P -eq	1.02E-02	1.90E-05	1.63E-08	0	0
	EP-Marine	kg N -eq	4.72E-01	1.35E-03	8.93E-06	0	0
	EP-Terrestial	mol N -eq	2.32E+00	1.51E-02	3.50E-05	0	0
	POCP	kg NMVOC -eq	7.55E-01	5.80E-03	1.15E-05	0	0
	ADP-minerals&metals[1]	kg Sb-eq	1.96E-02	6.58E-05	4.22E-08	0	0
	ADP-fossil[1]	MJ	2.34E+03	3.60E+01	3.27E-02	0	0
	WDP[1]	m^3	4.50E+03	3.48E+01	1.15E-01	0	0

Indicator		**Unit**	B4	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	6.75E-01	3.88E+01	2.34E-01	-1.43E+00
	GWP-fossil	kg CO_2 -eq	0	0	6.75E-01	1.01E+01	2.33E-01	-1.38E+00
	GWP-biogenic	kg CO_2 -eq	0	0	2.79E-04	2.86E+01	1.63E-04	-2.71E-03
	GWP-luluc	kg CO_2 -eq	0	0	2.40E-04	4.02E-04	6.47E-05	-4.45E-02
	ODP	kg CFC11 -eq	0	0	1.53E-07	1.74E-07	6.49E-08	-9.41E-02
	AP	mol H+ -eq	0	0	1.94E-03	6.19E-03	1.51E-03	-1.11E-02
	EP-FreshWater	kg P -eq	0	0	5.39E-06	3.20E-05	2.32E-06	-1.20E-04
	EP-Marine	kg N -eq	0	0	3.84E-04	2.43E-03	5.32E-04	-3.57E-03
	EP-Terrestial	mol N -eq	0	0	4.29E-03	2.58E-02	5.90E-03	-3.85E-02
	POCP	kg NMVOC -eq	0	0	1.64E-03	6.64E-03	1.70E-03	-1.08E-02
	ADP-minerals&metals[1]	kg Sb-eq	0	0	1.86E-05	6.64E-06	3.60E-06	-1.44E-05
	ADP-fossil[1]	MJ	0	0	1.02E+01	7.80E+00	4.83E+00	-1.92E+01
	WDP[1]	m^3	0	0	9.87E+00	6.41E-01	1.27E+01	-2.25E+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

Additional environmental impact indicators

Indicator		Unit	A1-A3	A4	A5	B2	B3
	PM	Disease incidence	1.46E-05	1.46E-07	1.76E-10	0	0
	IRP[2]	kgBq U235 -eq	2.29E+01	1.57E-01	1.48E-04	0	0
	ETP-fw[1]	CTUe	1.04E+04	2.67E+01	3.12E-02	0	0
	HTP-c[1]	CTUh	7.62E-07	0.00E+00	1.00E-12	0	0
	HTP-nc[1]	CTUh	1.00E-05	2.92E-08	2.90E-11	0	0
	SQP[1]	dimensionless	2.86E+03	2.52E+01	5.70E-02	0	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	4.13E-08	1.00E-07	2.69E-08	-6.52E-07
	IRP[2]	kgBq U235 -eq	0	0	4.46E-02	2.78E-02	1.95E-02	-1.18E-01
	ETP-fw[1]	CTUe	0	0	7.56E+00	5.32E+01	3.18E+00	-1.05E+02
	HTP-c[1]	CTUh	0	0	0.00E+00	3.35E-09	1.21E-10	-2.26E-09
	HTP-nc[1]	CTUh	0	0	8.26E-09	5.75E-08	3.46E-09	-8.71E-08
	SQP[1]	dimensionless	0	0	7.14E+00	2.18E+00	1.06E+01	-1.24E+02

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"

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	4.48E+02	5.15E-01	8.25E-04	0	0
	PERM	MJ	1.84E+02	0.00E+00	0.00E+00	0	0
	PERT	MJ	6.32E+02	5.15E-01	8.25E-04	0	0
	PENRE	MJ	2.25E+03	3.60E+01	3.27E-02	0	0
	PENRM	MJ	9.63E+01	0.00E+00	-2.30E+00	0	0
	PENRT	MJ	2.35E+03	3.60E+01	-2.26E+00	0	0
	SM	kg	1.02E+01	0.00E+00	0.00E+00	0	0
	RSF	MJ	2.09E+00	1.84E-02	2.16E-05	0	0
	NRSF	MJ	3.53E-01	6.59E-02	5.66E-05	0	0
	FW	m^3	9.29E+00	3.85E-03	1.73E-05	0	0

Indicator		**Unit**	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	1.46E-01	8.58E-01	1.03E-01	-1.14E+02
	PERM	MJ	0	0	0.00E+00	-1.52E+02	0.00E+00	0.00E+00
	PERT	MJ	0	0	1.46E-01	-1.51E+02	1.03E-01	-1.14E+02
	PENRE	MJ	0	0	1.02E+01	8.13E+00	4.83E+00	-1.92E+01
	PENRM	MJ	0	0	0.00E+00	-4.55E+01	0.00E+00	0.00E+00
	PENRT	MJ	0	0	1.02E+01	-3.74E+01	4.83E+00	-1.92E+01
	SM	kg	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	RSF	MJ	0	0	5.23E-03	1.92E-02	2.60E-03	-1.68E-02
	NRSF	MJ	0	0	1.87E-02	0.00E+00	1.66E-01	-6.67E+00
	FW	m^3	0	0	1.09E-03	1.21E-02	4.48E-03	-1.38E-01

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-A3	A4	A5	B2	B3
	HWD	kg	3.04E+01	1.86E-03	0.00E+00	0	0
	NHWD	kg	3.63E+02	1.75E+00	1.00E-01	0	0
	RWD	kg	1.72E-02	2.45E-04	0.00E+00	0	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	5.26E-04	0.00E+00	1.87E+01	-1.32E-03
	NHWD	kg	0	0	4.96E-01	3.57E+00	3.31E-01	-4.72E-01
	RWD	kg	0	0	6.95E-05	0.00E+00	2.96E-05	-9.64E-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-A3	A4	A5	B2	B3
	CRU	kg	0.00E+00	0.00E+00	0.00E+00	0	0
	MFR	kg	7.61E-01	0.00E+00	5.10E-02	0	0
	MER	kg	1.31E+00	0.00E+00	5.00E-06	0	0
	EEE	MJ	9.10E-01	0.00E+00	7.68E-06	0	0
	EET	MJ	1.38E+01	0.00E+00	1.16E-04	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	9.26E+00	0.00E+00	0.00E+00
	MER	kg	0	0	0.00E+00	4.85E+01	0.00E+00	0.00E+00
	EEE	MJ	0	0	0.00E+00	1.36E+01	0.00E+00	0.00E+00
	EET	MJ	0	0	0.00E+00	2.05E+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"

Biogenic Carbon Content

Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	7.80E+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).

Electricity mix	Source	Amount	Unit
Electricity, European average (kWh)	ecoinvent 3.6	428.03	g CO2-eq/kWh
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

Additional Environmental Information

Key Environmental Indicators

Key environmental performance indicators	Unit	Product stage	Construction stage		Use stage			End-of-life				Net benefits and loads from reuse, recovery, and/or recycling
		A1-A3	A4	A5	B2	B3	B4	C1	C2	C3	C4	D
GWPtotal	kg CO_2 -eq	139.80	2.38	0.01	0.00	0.00	0.00	0.00	0.68	38.76	0.23	-1.43
Total energy consumption	MJ	2701.31	36.61	0.03	0.00	0.00	0.00	0.00	10.37	9.01	5.10	-140.02
Share of recycled materials	%	20.90										

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	1.68E+02	2.38E+00	7.92E-03	0	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	6.75E-01	1.02E+01	2.41E-01	-1.41E+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.

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 (%)
Desk Chat 100x60	30.90	114.91	1900.15	28.04
Desk Chat 100x80	34.40	120.74	2064.30	26.27
Desk Chat 120x60	34.40	125.05	2091.68	27.36
Desk Chat 120x80	38.30	131.05	2271.46	25.55
Desk Chat 140x70	38.60	131.18	2283.18	25.35
Desk Chat 140x80	40.30	131.91	2349.61	24.28
Desk Chat 160x80	42.20	132.73	2423.85	23.19
Desk Chat 180x80	44.20	133.59	2502.00	22.14
Desk Chat 200x80	46.10	134.40	2576.24	21.23
Desk Chat, right 160x120	48.60	139.80	2701.31	20.90
Desk Chat left 160x120	48.60	139.79	2699.55	20.90
Desk Chat right 180x120	49.60	140.22	2738.62	20.48

Key environmental indicators (A1-A3) for options for this EPD				
Options	Weight (kg)	GWPtotal (kg CO_2 -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)
Frontpanel 100x50	6.70	5.16	324.71	1.00
Frontpanel 120x50	7.90	5.66	369.84	0.85
Frontpanel 140x50	9.10	6.19	418.49	0.74
Frontpanel 160x50	10.40	6.75	469.29	0.65
Frontpanel 180x50	11.60	7.26	516.18	0.58
Frontpanel 200x50	12.80	7.78	563.07	0.53

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