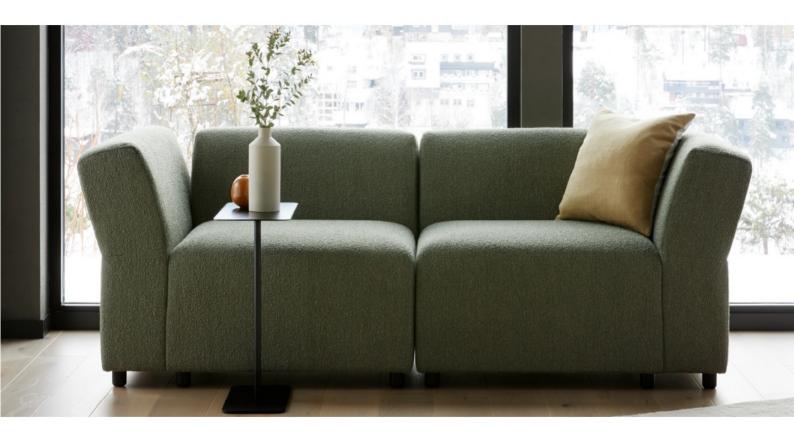




Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

OK Office - 102/103



LK HJEILE

The Norwegian EPD Foundation

Owner of the declaration:

Hjelle AS

Product:

OK Office - 102/103

Declared unit:

1 pcs

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core

NPCR 026:2022 Part B for Furniture

Program operator:

The Norwegian EPD Foundation

Declaration number:

NEPD-8853-8514

Registration number:

NEPD-8853-8514

Issue date:

29.01.2025

Valid to:

29.01.2030

EPD software:

LCAno EPD generator ID: 764291

General information

Product

OK Office - 102/103

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-8853-8514

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 OK Office - 102/103

Declared unit (cradle to gate) with option:

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

Functional unit:

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:

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

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Owner of the declaration:

Hjelle AS

Contact person: Jahn Marius Larsen

Phone: 92048833 e-mail: jahn@hjelle.no

Manufacturer:

Hjelle AS

Place of production:

Hjelle AS

Vikøyra Industriområde 3 6230 Sykkylven, Norway

Management system:

Organisation no:

912684261

Issue date:

29.01.2025

Valid to:

29.01.2030

Year of study:

2024

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: Jahn Marius Larsen

Reviewer of company-specific input data and EPD: Elisabeth Hurlen

Approved:

Håkon Hauan

Managing Director of EPD-Norway

Product

Product description:

OK is our no-fuss module system, turning four simple parts into endless sofa possibilities. Think of it like LEGO for grown-ups! Snap the modules together to fit your vibe or mix it up when you're feeling spontaneous. With its advanced foam structure, OK offers exceptional comfort tailored to your body.

Product specification

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Recycled cardboard	1,77	6,06	1,77	200,00
Textile - Wool	2,50	8,56	0,28	11,20
Wood - Medium Density Fibreboard (MDF)	0,40	1,37	0,00	0,00
Metal - Steel	1,31	4,49	0,00	0,00
Cardboard	1,26	4,31	0,00	0,00
Plastic - Polyurethane (PUR)	5,40	18,49	0,00	0,00
Polypropylene (PP) and Rubber	0,14	0,47	0,06	40,00
Textile - Polyester	0,79	2,69	0,02	3,12
Wood - Plywood	15,64	53,56	0,00	0,00
Total	29,20	100,00	2,13	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	2,87	98,97	0,00	0,00
Packaging - Plastic	0,03	1,03	0,00	0,00
Total incl. packaging	32,10	100,00	2,13	

Technical data:

Height: 70cm Seat Height 42cm

Market:

Worldwide

Reference service life, product

15 years.

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs OK Office - 102/103

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.

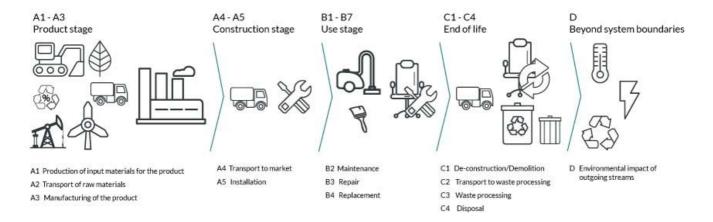
LK HJELLE

Materials	Source	Data quality	Year
Cardboard	Modified ecoinvent 3.6	Database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	Modified ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Polypropylene (PP) and Rubber	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Textile - Polyester	ecoinvent 3.6	Database	2019
Textile - Wool	MD-23110-EN_rev1	EPD	2021
Wood - Medium Density Fibreboard (MDF)	ecoinvent 3.6	Database	2019
Wood - Plywood	modified ecoinvent 3.6	Database	2019

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

Р	roduct stag	ge		uction on 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	В3	B4	B5	В6	В7	C1	C2	C3	C4	D
Χ	Χ	Χ	Χ	Χ	MND	X	Χ	Χ	MND	MND	MND	Χ	X	X	Χ	X

System boundary:



Additional technical information:

Transportation to an average customer in Oslo is 600km (A4: average European lorry > 32 tonnes)

LCA: Scenarios and additional technical information

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

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, over 32 tonnes, EURO 6 (km)	53,3 %	600	0,023	l/tkm	13,80

LCA: Results

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

Environme	ental impact								
	Indicator		Unit		A1-A3	A4	A5	B2	В3
	GWP-total		kg CO ₂ -e	eq	7,37E+01	1,68E+00	7,03E+00	0	0
	GWP-fossil		kg CO ₂ -eq		1,04E+02	1,68E+00	6,87E-02	0	0
	GWP-biogenic		kg CO ₂ -eq		-3,04E+01	7,19E-04	6,96E+00	0	0
	GWP-luluc		kg CO ₂ -e	eq	1,63E-01	5,11E-04	2,21E-05	0	0
Ö	ODP		kg CFC11	-eq	3,04E-06	4,04E-07	1,41E-08	0	0
	АР		mol H+ -	eq	3,92E-01	5,40E-03	3,17E-04	0	0
	EP-FreshWater		kg P -ec	I	4,25E-03	1,33E-05	5,49E-07	0	0
4	EP-Marine		kg N -ed	1	9,25E-02	1,18E-03	1,07E-04	0	0
	EP-Terrestial		mol N -e	q	1,09E+00	1,32E-02	1,14E-03	0	0
	POCP		kg NMVOC	-eq	2,75E-01	5,18E-03	3,27E-04	0	0
	ADP-minerals&metals ¹		kg Sb-ed	7	7,19E-04	2,99E-05	1,63E-06	0	0
B	ADP-fossil ¹		МЈ		1,66E+03	2,73E+01	9,38E-01	0	0
<u>%</u>	WDP ¹		m^3		5,59E+03	2,09E+01	1,21E+00	0	0
			Unit B4						
	Indicator		Unit	B4	C1	C2	C3	C4	D
	Indicator GWP-total	k	Unit g CO ₂ -eq	B4 0	C1 0	C2 0	C3 5,39E+01	C4 3,78E-02	D -2,29E+00
_	GWP-total	k	g CO ₂ -eq	0	0	0	5,39E+01	3,78E-02	-2,29E+00
	GWP-total GWP-fossil	k <u>i</u>	g CO ₂ -eq g CO ₂ -eq	0	0	0	5,39E+01 1,52E+01	3,78E-02 3,77E-02	-2,29E+00 -2,21E+00
	GWP-total GWP-fossil GWP-biogenic	kı kı	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq	0 0	0 0	0 0 0	5,39E+01 1,52E+01 3,87E+01	3,78E-02 3,77E-02 4,19E-05	-2,29E+00 -2,21E+00 -4,33E-03
	GWP-total GWP-fossil GWP-biogenic GWP-luluc	kı kı kg	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq	0 0 0	0 0 0 0	0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04	3,78E-02 3,77E-02 4,19E-05 6,99E-06	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP	kı kı kı kg	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq	0 0 0 0	0 0 0 0	0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP	kı kı kı kg	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq nol H+ -eq	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08 1,60E-02	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09 1,62E-04	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01 -1,77E-02
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater	kı kı kg m	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq nol H+ -eq kg P -eq	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08 1,60E-02 8,62E-06	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09 1,62E-04 4,81E-07	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01 -1,77E-02 -1,92E-04
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine	kı kı kg m	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq nol H+ -eq kg P -eq kg N -eq	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08 1,60E-02 8,62E-06 8,67E-03	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09 1,62E-04 4,81E-07 5,30E-05	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01 -1,77E-02 -1,92E-04 -5,69E-03
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial	kı kı kg m n kg I	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq nol H+ -eq kg P -eq kg N -eq nol N -eq	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08 1,60E-02 8,62E-06 8,67E-03 8,45E-02	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09 1,62E-04 4,81E-07 5,30E-05 5,97E-04	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01 -1,77E-02 -1,92E-04 -5,69E-03 -6,15E-02
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial POCP	kı kı kg m n kg I	g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq g CO ₂ -eq CFC11 -eq nol H+ -eq kg P -eq kg N -eq nol N -eq NMVOC -eq	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	5,39E+01 1,52E+01 3,87E+01 1,27E-04 9,58E-08 1,60E-02 8,62E-06 8,67E-03 8,45E-02 2,02E-02	3,78E-02 3,77E-02 4,19E-05 6,99E-06 5,69E-09 1,62E-04 4,81E-07 5,30E-05 5,97E-04 1,67E-04	-2,29E+00 -2,21E+00 -4,33E-03 -7,08E-02 -1,50E-01 -1,77E-02 -1,92E-04 -5,69E-03 -6,15E-02 -1,73E-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 env	ironmental impact ind	licators					
	Indicator	Unit	A1-A3	A4	A5	B2	В3
	PM	Disease incidence	9,31E-06	1,54E-07	4,69E-09	0	0
(In))	IRP ²	kgBq U235 -eq	3,31E+00	1,19E-01	4,01E-03	0	0
	ETP-fw ¹	CTUe	2,92E+03	1,99E+01	1,25E+00	0	0
44. **** <u>*</u>	HTP-c ¹	CTUh	1,40E-07	0,00E+00	3,70E-11	0	0
46 B	HTP-nc ¹	CTUh	2,81E-06	1,93E-08	1,56E-09	0	0
	SQP ¹	dimensionless	5,76E+03	3,12E+01	6,40E-01	0	0

li li	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	0	7,55E-08	2,35E-09	-1,04E-06
	IRP ²	kgBq U235 -eq	0	0	0	1,31E-02	2,02E-03	-1,87E-01
<i>(2)</i>	ETP-fw ¹	CTUe	0	0	0	4,50E+01	6,05E-01	-1,69E+02
44. *** <u>\$</u>	HTP-c ¹	CTUh	0	0	0	1,75E-09	2,70E-11	-3,69E-09
28	HTP-nc ¹	CTUh	0	0	0	7,79E-08	1,02E-09	-1,36E-07
	SQP ¹	dimensionless	0	0	0	9,55E-01	1,20E+00	-1,96E+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)

[&]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		Uı	nit	A1-A3	A4	A5	B2	В3
	PERE		N	۷J	1,14E+03	3,43E-01	1,55E-02	0	0
	PERM		N	۸J	3,13E+02	0,00E+00	-5,29E+01	0	0
Ţ,	PERT		M	۸J	1,45E+03	3,43E-01	-5,29E+01	0	0
The state of the s	PENRE		M	۸J	1,47E+03	2,73E+01	9,38E-01	0	0
49	PENRM		M	۸J	1,96E+02	0,00E+00	-1,10E+00	0	0
IA	PENRT		M	۸J	1,66E+03	2,73E+01	-1,60E-01	0	0
	SM		k	g	2,13E+00	0,00E+00	0,00E+00	0	0
2	RSF		M	۸J	7,68E-01	1,20E-02	5,13E-04	0	0
	NRSF		M	۸J	3,40E+00	4,02E-02	2,11E-03	0	0
&	FW		m	1 ³	3,36E+00	3,10E-03	4,43E-04	0	0
	ndicator	Unit	it	B4	C1	C2	C3	C4	D
	ndicator PERE	Unit MJ		B4 0	C1 0	C2 0	C3 2,35E-01	C4 1,92E-02	D -1,81E+02
			J						
Ç.	PERE	МЈ	J	0	0	0	2,35E-01	1,92E-02	-1,81E+02
i E	PERE PERM	МЈ	J J	0	0	0	2,35E-01 -2,65E+02	1,92E-02 0,00E+00	-1,81E+02 0,00E+00
्र ड इन्	PERE PERM PERT	W1 W1)))	0 0	0 0	0 0	2,35E-01 -2,65E+02 -2,65E+02	1,92E-02 0,00E+00 1,92E-02	-1,81E+02 0,00E+00 -1,81E+02
€ 1 47. 1	PERE PERM PERT PENRE	WI WI WI))))	0 0 0	0 0 0 0	0 0 0 0	2,35E-01 -2,65E+02 -2,65E+02 8,03E+00	1,92E-02 0,00E+00 1,92E-02 4,56E-01	-1,81E+02 0,00E+00 -1,81E+02 -3,07E+01
## ## ## ##	PERE PERM PERT PENRE PENRM	мл мл мл мл		0 0 0 0	0 0 0 0	0 0 0 0	2,35E-01 -2,65E+02 -2,65E+02 8,03E+00 -1,95E+02	1,92E-02 0,00E+00 1,92E-02 4,56E-01 0,00E+00	-1,81E+02 0,00E+00 -1,81E+02 -3,07E+01 0,00E+00
	PERE PERM PERT PENRE PENRM PENRT	мл мл мл мл мл))))	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	2,35E-01 -2,65E+02 -2,65E+02 8,03E+00 -1,95E+02 -1,87E+02	1,92E-02 0,00E+00 1,92E-02 4,56E-01 0,00E+00 4,56E-01	-1,81E+02 0,00E+00 -1,81E+02 -3,07E+01 0,00E+00 -3,07E+01
	PERE PERM PERT PENRE PENRM PENRT SM	MJ MJ MJ MJ kg		0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	2,35E-01 -2,65E+02 -2,65E+02 8,03E+00 -1,95E+02 -1,87E+02 0,00E+00	1,92E-02 0,00E+00 1,92E-02 4,56E-01 0,00E+00 4,56E-01 0,00E+00	-1,81E+02 0,00E+00 -1,81E+02 -3,07E+01 0,00E+00 -3,07E+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		8,59E-01	1,49E-03	0,00E+00	0	0
Ū	NHWD	k	g	9,01E+00	2,37E+00	4,13E+00	0	0
<u>\$</u>	RWD	k	g	1,30E-02	1,86E-04	0,00E+00	0	0
In	dicator	Unit	B4	C1	C2	C3	C4	D
Ā	HWD	kg	0	0	0	0,00E+00	1,18E+00	-2,21E-03
Ū	NHWD	kg	0	0	0	0,00E+00	2,39E-01	-7,59E-01
3	RWD	kg	0	0	0	0,00E+00	2,68E-06	-1,53E-04

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	icator	Uni	t	A1-A3	A4	A5	B2	В3
@ D	CRU	kg	kg		0,00E+00	0,00E+00	0	0
&▷	MFR	kg		7,67E-01	0,00E+00	3,83E+00	0	0
DF	MER	kg		2,94E+00	0,00E+00	7,08E-06	0	0
50	EEE	МЈ		1,79E+00	0,00E+00	2,35E-01	0	0
D	EET	МЈ		2,71E+01	0,00E+00	3,55E+00	0	0
Indicato	or	Unit	B4	C1	C2	C3	C4	D
∅ >	CRU	kg	0	0	0	0,00E+00	0,00E+00	0,00E+00
\$>	MFR	kg	0	0	0	3,39E-01	0,00E+00	0,00E+00
DF	MER	kg	0	0	0	2,80E+01	0,00E+00	0,00E+00
50	EEE	MJ	0	0	0	2,28E+01	0,00E+00	0,00E+00
DI	EET	MJ	0	0	0	3,44E+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	9,25E+00						
kg C	1,90E+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, Norway (kWh)	ecoinvent 3.6	24,33	g CO2-eg/kWh

Dangerous substances

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

Indoor environment

Our furniture does not contain any substrates that affect indoor climate.

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO ₂ -eq	73,73	1,68	136,39	134,10
Total energy consumption	MJ	2610,08	27,65	2647,52	2424,73
Amount of recycled materials	%	6,63			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit	Unit		A4	A5	B2	В3
GWPIOBC	kg CO ₂ -eq	kg CO ₂ -eq		1,68E+00	6,87E-02	0	0
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO ₂ -eq	0	0	0	2,34E+01	4,88E-02	-2,34E+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 (%)		
OK Office - 104	23,26	51,86	1864,81	7,38		
OK Office - 001	16,96	35,07	1242,67	4,53		
OK Office - 002/003	25,14	57,26	2017,45	4,56		
OK Office - 004	13,45	30,79	1036,34	5,59		

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