epd-norge
Global program operatør

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Tidal Lounge Chair

The Norwegian EPD Foundation

Owner of the declaration:
Helland Møbler AS

Product:
Tidal Lounge Chair

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-9893-9831

Registration number:
NEPD-9893-9831

Issue date:
30.04.2025

Valid to:
30.04.2030

EPD software:
LCAno EPD generator ID: 857473

General information

Product
Tidal Lounge Chair

Owner of the declaration:
Helland Møbler AS
Contact person: Joakim Helland
Phone: +47 958 09 013
e-mail: joakim.helland@helland.no

Program operator:
The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
web: www.epd-norge.no

Manufacturer:
Helland Møbler AS
Postboks 10
6259 Stordal, Norway

Declaration number:
NEPD-9893-9831

Place of production:
Helland Baltic ÖU
Hapvali, Nõmme küla, Haapsalu linn
EE-90439 Läänemaa, Estonia

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 14001:2015, sertifikat nr 901085

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.

Organisation no:
943 511 128

Declared unit:
1 pcs Tidal Lounge Chair

Issue date:
30.04.2025

Declared unit (cradle to gate) with option:
A1-A3, A4, A5, B2, B3, B4, C1, C2, C3, C4, D

Valid to:
30.04.2030

Year of study:
2023

Functional unit:
Production of one chair provided and maintained for a period of 15 years.

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-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

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: Oddrun Aunet Innselset

Reviewer of company-specific input data and EPD: Pawel Sosinski

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)

Approved:
Håkon Hauan

Håkon Hauan, CEO EPD-Norge

Product

Product description:

Discover the perfect combination of elegance and functionality with the Tidal recliner. This chair is designed to be your favorite place to relax, while adding a modern touch to any room.
Timeless Design: The Tidal recliner is a masterpiece of modern design, with clean lines and a sophisticated shape that immediately catches the eye. The chair is not just a piece of furniture, but a style statement that adds a sense of luxury and sophistication to the room.
Unparalleled Comfort: When it comes to comfort, the Tidal recliner sets a new standard. It is designed with your well-being in mind, with padding that provides optimal support and a seat surface that adapts to the contours of your body. Here you can relax for hours, whether you are watching a movie, reading a book, or just enjoying some peace and quiet.
Premium Quality: The Tidal recliner is built to last, with materials that combine strength and beauty. From the solid frame to the luxurious upholstery, every element has been carefully selected to ensure that the chair maintains its beautiful appearance and high functionality over the years. With the Tidal recliner, you not only bring comfort into your home, but also a design element that exudes class and quality. Make the Tidal recliner the heart of your interior - a place where style meets comfort in perfect harmony.

Product specification

- Wooden or steel legs
- Steel base
- Footstool with same choice (XL)
- Removable and waterproof seat cover
- Armrest protectors (pair)

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Metal - Steel	5,60	46,86	1,12	20,00
Paint, water-based	0,10	0,83	0,00	0,00
Plastic - Polyurethane (PUR)	4,40	36,82	0,00	0,00
Textile - Polyester	1,050	8,78	0,00	0,00
Wood - Laminated wood	0,80	6,69	0,00	0,00
Total	11,95	100,00	1,12	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Plastic	0,05	2,33	0,00	0,00
Recycled cardboard	2,10	97,67	2,10	100,00
Total incl. packaging	14,10	100,00	3,22	

Technical data:

Width: 65cm,
Height: 82cm,
Depth: 65cm,
Seat height 45cm,
Weight: 12,0kg (without cardboard)

The product is tested and approved according to the following standards:
The testing laboratory has been accredited by the Latvian National Accreditation Bureau LATAK in accordance with the requirements of LVS EN ISO/IEC 17025:2017 and has been assigned registration No. T-316.
NS-EN 16139: 2013
NS-EN 1022: 2005
NS-EN 1335-3: 2005
NS-EN 1728: 2012

Market:

Europa and USA

Reference service life, product

15 years

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs Tidal Lounge Chair

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:

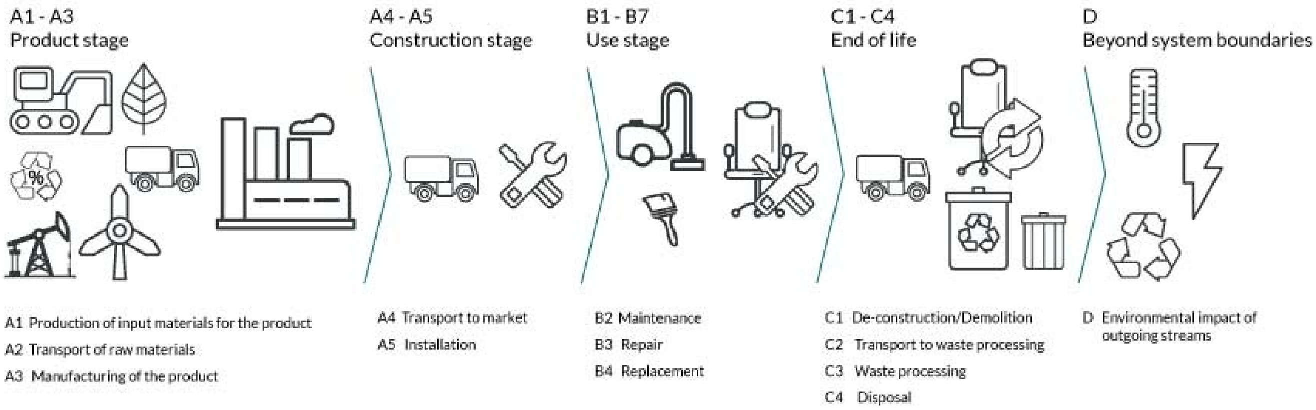
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data quality	Year
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Paint, water-based	ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Textile - Polyester	ecoinvent 3.6	Database	2019
Wood - Laminated wood	modified 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:



Additional technical information:

Transportation to an average customer in Copenhagen is 1000 km (A4: average European lorry > 32 tonnes)
The use stage (B1) is represented by a scenario and includes vacuum cleaning of textile once a month. The PCR does not provide detailed guidelines for what should be included in the use stage. In the end of life stage, the transport distance for waste to waste processing is 72 km (C1). The reuse, recovery and recycling stage is beyond the system boundaries (D). It is assumed that the solution is dismantled and the materials recycled or combusted according to general Norwegian treatment of industrial waste (see the table below). This calculation includes only CO_2 emissions (GWP) in the C-modules. The transport distance to reuse, recovery or recycling varies for each material, but the average distance is 373 km. The vehicles used and associated data are described in detail in [5].

LCA: Scenarios and additional technical information

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

Transportation to an average customer in Copenhagen is 1000 km (A4: average European lorry > 32 tonnes)
The use stage (B1) is represented by a scenario and includes vacuum cleaning of textile once a month. The PCR does not provide detailed guidelines for what should be included in the use stage. In the end of life stage, the transport distance for waste to waste processing is 72 km (C1). The reuse, recovery and recycling stage is beyond the system boundaries (D). It is assumed that the solution is dismantled and the materials recycled or combusted according to general Norwegian treatment of industrial waste (see the table below). This calculation includes only CO2 emissions (GWP) in the C-modules. The transport distance to reuse, recovery or recycling varies for each material, but the average distance is 373 km. The vehicles used and associated data are described in detail in [5].

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 %	1000	0,043	l/tkm	43,00
Truck, 7.5-16 tonnes, EURO 6 (kgkm)	35,4 %	300	0,056	l/tkm	16,80

Assembly (A5)	Unit	Value			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	0,52			
Waste, packaging, plastic film (LDPE), to average treatment - A5 (kg)	kg	0,050			

Maintenance (B2)	Unit	Value			
Electricity, European average (kWh)	kWh/DU	11,70			
Water, tap water (m3)	m3/DU	0,78			

Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, HVO, EURO 6 (kgkm)	36,7 %	85	0,043	l/tkm	3,66

Waste processing (C3)	Unit	Value			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	1,050			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	0,80			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	4,40			
Waste, materials to recycling (kg)	kg	1,90			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	5,60			

Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,052			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,0092			
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0,16			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	3,69			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity, in Norway (MJ)	MJ	7,69			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	116,38			
Substitution of primary steel with net scrap (kg)	kg	1,52			

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	6,74E+01	3,21E+00	9,04E-01	5,28E+00	0
	GWP-fossil	kg CO_2 -eq	7,13E+01	3,21E+00	1,25E-02	5,23E+00	0
	GWP-biogenic	kg CO_2 -eq	-4,05E+00	1,37E-03	8,91E-01	3,66E-02	0
	GWP-luluc	kg CO_2 -eq	1,71E-01	1,21E-03	3,11E-06	1,20E-02	0
	ODP	kg CFC11 -eq	5,61E-06	7,21E-07	2,03E-09	4,44E-07	0
	AP	mol H+ -eq	4,14E-01	9,22E-03	4,51E-05	3,05E-02	0
	EP-FreshWater	kg P -eq	3,42E-03	2,67E-05	7,79E-08	5,51E-04	0
	EP-Marine	kg N -eq	7,98E-02	1,80E-03	1,78E-05	3,92E-03	0
	EP-Terrestial	mol N -eq	7,72E-01	2,02E-02	1,61E-04	4,82E-02	0
	POCP	kg NMVOC -eq	2,61E-01	7,72E-03	4,71E-05	1,24E-02	0
	ADP-minerals&metals[1]	kg Sb-eq	1,42E-03	9,63E-05	2,28E-07	4,39E-05	0
	ADP-fossil[1]	MJ	1,10E+03	4,83E+01	1,35E-01	1,07E+02	0
	WDP[1]	m^3	4,22E+03	4,99E+01	2,08E-01	1,62E+03	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	4,66E-02	1,48E+01	5,44E-02	-2,37E+00
	GWP-fossil	kg CO_2 -eq	0	0	4,65E-02	1,19E+01	5,43E-02	-2,35E+00
	GWP-biogenic	kg CO_2 -eq	0	0	7,88E-05	2,87E+00	4,40E-05	-2,32E-03
	GWP-luluc	kg CO_2 -eq	0	0	7,25E-05	7,54E-05	1,43E-05	-2,40E-02
	ODP	kg CFC11 -eq	0	0	9,59E-09	6,16E-08	1,39E-08	-4,92E-02
	AP	mol H+ -eq	0	0	3,26E-04	1,06E-02	3,34E-04	-1,39E-02
	EP-FreshWater	kg P -eq	0	0	1,71E-06	4,43E-06	5,92E-07	-1,63E-04
	EP-Marine	kg N -eq	0	0	8,62E-05	5,89E-03	1,17E-04	-3,54E-03
	EP-Terrestial	mol N -eq	0	0	9,64E-04	5,64E-02	1,30E-03	-3,72E-02
	POCP	kg NMVOC -eq	0	0	3,53E-04	1,34E-02	3,71E-04	-1,38E-02
	ADP-minerals&metals[1]	kg Sb-eq	0	0	5,65E-06	2,29E-06	7,74E-07	-3,56E-05
	ADP-fossil[1]	MJ	0	0	9,84E-01	5,09E+00	1,05E+00	-2,37E+01
	WDP[1]	m^3	0	0	2,91E+00	1,53E+01	3,15E+00	-3,34E+01

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"
*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

Remarks to environmental impacts

Additional environmental impact indicators

Indicator		Unit	A1-A3	A4	A5	B2	B3
	PM	Disease incidence	5,33E-06	1,92E-07	6,81E-10	8,90E-08	0
	IRP[2]	kgBq U235 -eq	3,31E+00	2,11E-01	5,82E-04	9,28E-01	0
	ETP-fw[1]	CTUe	2,54E+03	3,64E+01	1,74E-01	7,67E+01	0
	HTP-c[1]	CTUh	1,57E-07	0,00E+00	5,00E-12	2,74E-09	0
	HTP-nc[1]	CTUh	1,61E-06	4,09E-08	2,14E-10	8,55E-08	0
	SQP[1]	dimensionless	5,27E+02	3,24E+01	1,08E-01	2,60E+01	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	1,08E-08	4,35E-08	5,82E-09	-4,76E-07
	IRP[2]	kgBq U235 -eq	0	0	3,21E-03	7,99E-03	4,29E-03	-5,56E-02
	ETP-fw[1]	CTUe	0	0	1,44E+00	3,25E+01	7,79E-01	-1,46E+02
	HTP-c[1]	CTUh	0	0	0,00E+00	1,06E-09	3,00E-11	-9,01E-09
	HTP-nc[1]	CTUh	0	0	2,40E-09	3,63E-08	9,54E-10	1,25E-07
	SQP[1]	dimensionless	0	0	1,83E+00	5,81E-01	2,37E+00	-6,56E+01

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"
*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		Unit	A1-A3	A4	A5	B2	B3
	PERE	MJ	1,51E+02	7,29E-01	2,37E-03	2,05E+01	0
	PERM	MJ	2,35E+01	0,00E+00	-3,07E+00	0,00E+00	0
	PERT	MJ	1,75E+02	7,29E-01	-3,07E+00	2,05E+01	0
	PENRE	MJ	9,41E+02	4,84E+01	1,35E-01	1,07E+02	0
	PENRM	MJ	1,62E+02	0,00E+00	-2,12E+00	0,00E+00	0
	PENRT	MJ	1,10E+03	4,84E+01	-1,99E+00	1,07E+02	0
	SM	kg	3,22E+00	0,00E+00	0,00E+00	0,00E+00	0
	RSF	MJ	6,93E-01	2,61E-02	7,57E-05	1,50E+00	0
	NRSF	MJ	4,34E-01	9,39E-02	2,96E-04	3,93E-01	0
	FW	m^3	9,28E-01	5,34E-03	6,47E-05	8,71E-01	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	4,46E-02	1,43E-01	2,46E-02	-6,07E+01
	PERM	MJ	0	0	0,00E+00	-1,12E+01	0,00E+00	0,00E+00
	PERT	MJ	0	0	4,46E-02	-1,10E+01	2,46E-02	-6,07E+01
	PENRE	MJ	0	0	9,84E-01	5,11E+00	1,05E+00	-2,37E+01
	PENRM	MJ	0	0	0,00E+00	-1,60E+02	0,00E+00	0,00E+00
	PENRT	MJ	0	0	9,84E-01	-1,55E+02	1,05E+00	-2,37E+01
	SM	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	RSF	MJ	0	0	1,45E-03	3,39E-03	6,39E-04	5,00E-02
	NRSF	MJ	0	0	4,99E-03	0,00E+00	4,13E-02	-1,77E+00
	FW	m^3	0	0	4,02E-04	1,80E-02	9,47E-04	-7,53E-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"
*INA Indicator Not Assessed

End of life - Waste

Indicator		Unit	A1-A3	A4	A5	B2	B3
	HWD	kg	4,36E-01	2,54E-03	0,00E+00	1,63E-02	0
	NHWD	kg	1,03E+01	2,23E+00	5,75E-01	4,02E-01	0
	RWD	kg	3,28E-03	3,28E-04	0,00E+00	7,59E-04	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	1,38E-04	0,00E+00	3,81E+00	-9,15E-03
	NHWD	kg	0	0	1,46E-01	0,00E+00	1,51E-01	-9,12E-01
	RWD	kg	0	0	3,94E-06	0,00E+00	6,42E-06	-4,59E-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

Indicator		Unit	A1-A3	A4	A5	B2	B3
	CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
	MFR	kg	5,31E-02	0,00E+00	5,14E-01	0,00E+00	0
	MER	kg	6,02E-01	0,00E+00	3,21E-06	0,00E+00	0
	EEE	MJ	3,53E-01	0,00E+00	3,00E-02	0,00E+00	0
	EET	MJ	5,34E+00	0,00E+00	4,54E-01	0,00E+00	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	1,90E+00	0,00E+00	0,00E+00
	MER	kg	0	0	0,00E+00	1,19E+01	0,00E+00	0,00E+00
	EEE	MJ	0	0	0,00E+00	7,63E+00	0,00E+00	0,00E+00
	EET	MJ	0	0	0,00E+00	1,15E+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

Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	3,64E-01
Biogenic carbon content in accompanying packaging	kg C	9,72E-01

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, Estonia (kWh)	ecoinvent 3.6	926,93	g CO2-eq/kWh

Dangerous substances

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

Indoor environment

Our Furniture not contain any substances that affects indoor climate.

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO_2 -eq	67,45	3,21	91,69	89,32
Total energy consumption	MJ	1093,48	49,20	1279,69	1193,50
Amount of recycled materials	%	22,84			

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	7,52E+01	3,21E+00	1,25E-02	5,64E+00	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	4,66E-02	1,36E+01	5,82E-02	-3,19E+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 (%)
Tidal Lounge Chair XL	21,00	98,66	1529,83	23,92

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epd-norge Global program operatør	**Program operator and publisher** The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo, Norway	Phone: e-mail: web:	+47 977 22 020 post@epd-norge.no www.epd-norge.no
HELLAND®	**Owner of the declaration:** Helland Møbler AS Postboks 10, 6259 Stordal, Norway	Phone: e-mail: web:	+47 958 09 013 joakim.helland@helland.no www.helland.no
LCA.no	**Author of the Life Cycle Assessment** LCA.no AS Dokka 6A, 1671 Kråkerøy, Norway	Phone: e-mail: web:	+47 916 50 916 post@lca.no www.lca.no
LCA.no	**Developer of EPD generator** LCA.no AS Dokka 6A, 1671 Kråkerøy, Norway	Phone: e-mail: web:	+47 916 50 916 post@lca.no www.lca.no
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