epd-global
Powered by EPD-Norway

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Play modular series (3 seater, 190 cm booth)



EPD-Global

Owner of the declaration:
inoff inred ab

Product:
Play modular series (3 seater, 190 cm booth)

Declared unit:
1 pcs

This declaration is based on Product Category Rules:
CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2024 Part B for Furniture

Program operator:
EPD-Global

Declaration number:
NEPD-18956-23514

Issue date:
04.11.2026

Valid to:
04.11.2031

EPD software:
LCAno EPD generator ID: 1828362

General information

Product

Play modular series (3 seater, 190 cm booth)

Owner of the declaration:

inoff inred ab
Contact person: Vesna Paun
Phone: +4672-7033119
e-mail: vesna.paun@inoff.se

Program operator:

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

Manufacturer:

inoff inred ab

Declaration number:

NEPD-18956-23514

Place of production:

inoff inred ab
Lilla garnisonsgatan 36
254 67 Helsingborg, Sweden

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2024 Part B for Furniture

Management system:

ISO 9001, ISO 14001, ISO 45001

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD-Global shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Organisation no:

556427-4115

Declared unit:

1 pcs Play modular series (3 seater, 190 cm booth)

Issue date:

04.11.2026

Declared unit (cradle to gate) with option:

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

Valid to:

04.11.2031

Year of study:

2025

Functional unit:

This declaration describes the play 190 cm booth sofa (incl. packaging), part of the play modular series.

Comparability:

EPDs of construction products may not be comparable if they do not comply with EN 15804 and are not viewed 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 generator v2025.09, 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: Vesna Paun

Reviewer of company-specific input data and EPD: Dennis Ilin

Verification of EPD tool:

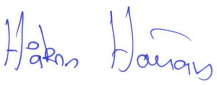
Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPD-Global's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Approved:



Håkon Hauan, CEO EPD-Global

Product

Product description:

Play is a Swedish-made modular sofa series that offers a design that is adapted to the way people meet, work, and connect. Playful flexibility meets timeless design with a versatile range of modules, backrests and booth variants that offers a sense of privacy and enclosure to open spaces, making them more comfortable for focused work and conversations. Comfort, quality, and functionality – perfectly balanced.

This sofa series can also be built as a lower sofa variant (with possible armrest) offering endless possibilities for creating welcoming and functional environments.

See: https://inoff.se/produkter/play-soffa/

Product specification

This declaration focuses on an in-depth study of Play 190 booth sofa with 100% recycled polyester fabric and includes the following variants:
- Play 65 high
- Play 130 high
- Play 190 high
- Play 65 booth
- Play 130 booth

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Glue for wood	0.60	1.26	0.00	0.00
Metal - Steel	6.81	14.28	0.00	0.00
Plastic - Polypropylene (PP)	0.02	0.04195	0.00	0.00
Plastic - Polyurethane (PUR)	6.50	13.63	0.00	0.00
Powder coating	0.70	1.47	0.00	0.00
Textile - Felt	4.65	9.75	4.65	100.00
Wood - Plywood	28.40	59.57	0.08376	0.2949
Total	47.68	100.00	4.73	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	2.00	19.92	0.00	0.00
Packaging - Plastic	0.04	0.3984	0.0009075	2.27
Recycled cardboard	8.00	79.68	8.00	100.00
Total incl. packaging	57.72	100.00	12.73	

Technical data:

Volume 1,23 m^3 (including packaging and one unit in one box)

Total weight 47,7 kg (packaging excluded)
Gross weight 57,7 kg (packaging included and one unit)

Total height 134 cm
Total width 197 cm
Total depth 68 cm

Seat height 45 cm
Seat width 190 cm
Seat depth 50 cm

Fulfilled technical standards:
EN 16139:2013 Furniture – Strength, durability and safety – Requirements for non-domestic seating.

Fulfilled fire requirements, for upholstered variants:
EN 1021-1 Assessment of the ignitability of upholstered furniture – Part 1: Ignition source smouldering cigarette, with Möbelfakta certified fabrics,
EN 1021-2 Assessment of the ignitability of upholstered furniture – Part 2: Ignition source match flame equivalent, with Möbelfakta certified fabrics.'

Play is certified according to Möbelfakta
https://products.mobelfakta.se/Details.html?id=1450

For more detailed information, certificats and CAD library follow link below:
https://inoff.se/downloads/

Market:

Mainly Europe but available world wide.

Reference service life, product

15 Years (5 years warranty)

Reference service life, building

Not relevant

LCA: Calculation rules

Declared unit:

1 pcs Play modular series (3 seater, 190 cm booth)

Cut-off criteria:

All major raw materials and all the essential energy are included. The production processes for raw materials and energy flows with very small amounts (less than 1%) may not be included. These cut-off criteria do not apply for hazardous materials and substances.

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. 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.
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.

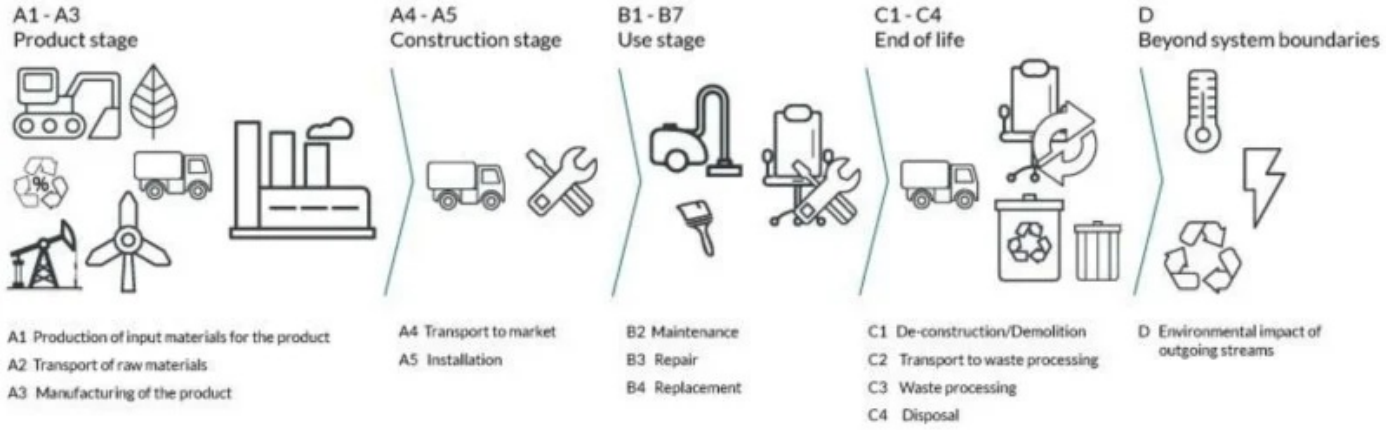
Materials	Source	Data quality	Year
Glue for wood	ecoinvent 3.10.1	Database	2023
Metal - Steel	ecoinvent 3.10.1	Database	2023
Metal - Steel	Modified ecoinvent 3.10.1	Database	2023
Packaging - Cardboard	Modified ecoinvent 3.10.1	Database	2023
Packaging - Plastic	Modified ecoinvent 3.10.1	Database	2023
Plastic - Polypropylene (PP)	Modified ecoinvent 3.10.1	Database	2023
Plastic - Polyurethane (PUR)	ecoinvent 3.10.1	Database	2023
Powder coating	ecoinvent 3.10.1	Database	2023
Recycled cardboard	Modified ecoinvent 3.10.1	Database	2023
Textile - Felt	Modified ecoinvent 3.10.1	Database	2023
Wood - Plywood	ecoinvent 3.10.1	Database	2023

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:

Our warehouse and offices uses 100% renewable energy sources.



Additional technical information:

Proper care ensures your product lasts longer—follow our care instructions for the best results and a longer product life:
https://inoff.se/wp-content/uploads/2020/05/skotselrad-och-avfallshantering.pdf

At inoff we prioritize sustainability and hold certifications that demonstrate its commitment to environmental stewardship and high quality.

Möbelfakta Certifications:
Our products comply with the standards set by Möbelfakta, a certification system for furniture. Möbelfakta assesses products based on criteria like quality, environmental impact, and social responsibility, guaranteeing that certified products adhere to strict sustainability and performance standards.

Environmental Management System (ISO 14001):
At inoff, we follow the environmental management system and comply with ISO 14001 standards. This certification demonstrates the company's commitment to reducing its environmental impact by actively identifying, managing, and minimizing its ecological footprint at every stage.

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, 16-32 tonnes, EURO 6 (km)	38.8 %	300.00	0.044	l/tkm	13.20

Assembly (A5)	Unit	Value			
Waste, packaging, plastic tape, to average treatment (kg)	kg	0.04			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	8.00			
Waste, packaging, corrugated board box, 0 % recycled, to average treatment (kg)	kg	2.00			

Maintenance (B2)	Unit	Value			
Electricity, Sweden (kWh)	kWh	45.00			

Waste processing (C3)	Unit	Value			
Waste treatment per kg Polypropylene (PP), incineration with fly ash extraction - C3 (kg)	kg	0.02			
Waste, materials to recycling (kg)	kg	2.31			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	6.81			
Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg)	kg	0.70			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	6.50			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	28.40			
Waste treatment per kg Polyethylene terephthalate, PET, incineration with fly ash extraction - C3 (kg)	kg	4.65			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0.60			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity (MJ)	MJ	2.61			
Substitution of thermal energy, district heating (MJ)	MJ	0.5214			
Substitution of primary steel with net scrap (kg)	kg	1.96			

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	5.67E+01	3.29E+00	1.55E+01	1.70E+00	0
	GWP-fossil	kg CO_2 -eq	1.10E+02	3.29E+00	2.40E-01	1.49E+00	0
	GWP-biogenic	kg CO_2 -eq	-5.35E+01	2.54E-03	1.53E+01	4.36E-02	0
	GWP-luluc	kg CO_2 -eq	6.09E-01	1.18E-03	6.23E-05	1.67E-01	0
	ODP	kg CFC11 -eq	1.72E-06	6.92E-08	3.69E-09	4.46E-08	0
	AP	mol H+ -eq	5.96E-01	6.84E-03	7.06E-04	1.82E-02	0
	EP-FreshWater	kg P -eq	3.18E-02	2.21E-04	1.33E-05	1.32E-03	0
	EP-Marine	kg N -eq	1.62E-01	1.64E-03	2.86E-04	2.68E-03	0
	EP-Terrestial	mol N -eq	1.55E+00	1.77E-02	2.79E-03	2.74E-02	0
	POCP	kg NMVOC -eq	5.22E-01	1.14E-02	1.03E-03	7.31E-03	0
	ADP-minerals&metals[1]	kg Sb-eq	6.58E-04	1.09E-05	6.00E-07	1.79E-04	0
	ADP-fossil[1]	MJ	1.81E+03	4.62E+01	2.46E+00	1.99E+02	0
	WDP[1]	m^3	1.15E+03	2.30E-01	6.62E-02	1.10E+01	0

	Indicator	**Unit**	B4	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	0	6.92E+01	0	-1.03E+00
	GWP-fossil	kg CO_2 -eq	0	0	0	2.93E+01	0	-1.01E+00
	GWP-biogenic	kg CO_2 -eq	0	0	0	3.99E+01	0	-1.56E-02
	GWP-luluc	kg CO_2 -eq	0	0	0	4.50E-04	0	-1.60E-03
	ODP	kg CFC11 -eq	0	0	0	3.94E-08	0	-2.20E-04
	AP	mol H+ -eq	0	0	0	2.29E-02	0	-4.30E-03
	EP-FreshWater	kg P -eq	0	0	0	7.29E-04	0	-5.44E-04
	EP-Marine	kg N -eq	0	0	0	1.59E-02	0	-8.99E-04
	EP-Terrestial	mol N -eq	0	0	0	1.19E-01	0	-9.19E-03
	POCP	kg NMVOC -eq	0	0	0	3.01E-02	0	-2.98E-03
	ADP-minerals&metals[1]	kg Sb-eq	0	0	0	7.10E-06	0	-5.46E-06
	ADP-fossil[1]	MJ	0	0	0	1.96E+01	0	-1.44E+01
	WDP[1]	m^3	0	0	0	2.52E+00	0	-1.48E+00

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

The LCA results in the EPD are calculated using a specific methodological approach for accounting energy resources, see the additional requirements section for more information. In this EPD the following approach was used: Location-based approach.

Additional environmental impact indicators

Indicator		Unit	A1-A3	A4	A5	B2	B3
	PM	Disease incidence	1.02E-05	2.42E-07	1.43E-08	1.52E-07	0
	IRP[2]	kgBq U235 -eq	1.27E+01	5.96E-02	3.47E-03	1.43E+01	0
	ETP-fw[1]	CTUe	2.05E+03	6.15E+00	1.74E+00	2.49E+01	0
	HTP-c[1]	CTUh	1.94E-07	0.00E+00	4.30E-11	2.93E-09	0
	HTP-nc[1]	CTUh	1.38E-06	3.46E-08	3.44E-09	1.53E-07	0
	SQP[1]	dimensionless	5.05E+03	2.79E+01	1.42E+00	4.69E+01	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	0	1.35E-07	0	-1.04E-07
	IRP[2]	kgBq U235 -eq	0	0	0	5.79E-02	0	-2.71E-01
	ETP-fw[1]	CTUe	0	0	0	7.57E+01	0	-4.15E+00
	HTP-c[1]	CTUh	0	0	0	3.70E-09	0	-5.15E-09
	HTP-nc[1]	CTUh	0	0	0	1.11E-07	0	-1.76E-08
	SQP[1]	dimensionless	0	0	0	4.88E+00	0	-4.25E+00

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = 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	8.26E+02	8.09E-01	4.87E-02	1.36E+02	0
	PERM	MJ	4.54E+02	0.00E+00	-1.28E+02	0.00E+00	0
	PERT	MJ	1.28E+03	8.09E-01	-1.28E+02	1.36E+02	0
	PENRE	MJ	1.50E+03	4.62E+01	2.46E+00	1.99E+02	0
	PENRM	MJ	3.90E+02	0.00E+00	-1.92E+00	0.00E+00	0
	PENRT	MJ	1.89E+03	4.62E+01	5.41E-01	1.99E+02	0
	SM	kg	1.27E+01	0.00E+00	0.00E+00	0.00E+00	0
	RSF	MJ	1.05E+00	2.71E-04	1.76E-05	1.77E-04	0
	NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
	FW	m^3	2.10E+00	6.30E-03	1.19E-03	2.61E-01	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	0	8.31E-01	0	-5.66E+00
	PERM	MJ	0	0	0	-3.26E+02	0	0.00E+00
	PERT	MJ	0	0	0	-3.25E+02	0	-5.66E+00
	PENRE	MJ	0	0	0	1.96E+01	0	-1.44E+01
	PENRM	MJ	0	0	0	-3.88E+02	0	0.00E+00
	PENRT	MJ	0	0	0	-3.69E+02	0	-1.44E+01
	SM	kg	0	0	0	0.00E+00	0	-2.22E+00
	RSF	MJ	0	0	0	2.38E-04	0	-2.22E-04
	NRSF	MJ	0	0	0	0.00E+00	0	-1.58E-02
	FW	m^3	0	0	0	3.78E-02	0	-3.95E-02

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

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

End of life - Waste

Indicator		Unit	A1-A3	A4	A5	B2	B3
	HWD	kg	1.07E+01	6.72E-02	4.02E-03	2.03E-01	0
	NHWD	kg	2.42E+02	1.42E+00	8.22E-01	6.72E+00	0
	RWD	kg	4.16E-03	1.48E-05	7.35E-07	3.05E-03	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	0	6.00E-01	0	-7.71E-01
	NHWD	kg	0	0	0	4.71E+01	0	-2.40E+00
	RWD	kg	0	0	0	0.00E+00	0	-6.93E-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	0.00E+00	0
	MFR	kg	1.86E-05	0.00E+00	9.31E+00	0.00E+00	0
	MER	kg	3.02E-07	0.00E+00	5.01E-10	0.00E+00	0
	EEE	MJ	7.25E-04	0.00E+00	1.31E-04	0.00E+00	0
	EET	MJ	1.97E-02	0.00E+00	1.35E-04	0.00E+00	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	CRU	kg	0	0	0	0.00E+00	0	0.00E+00
	MFR	kg	0	0	0	5.53E+00	0	0.00E+00
	MER	kg	0	0	0	6.50E+00	0	0.00E+00
	EEE	MJ	0	0	0	2.60E+00	0	0.00E+00
	EET	MJ	0	0	0	5.17E-01	0	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	1.09E+01
Biogenic carbon content in accompanying packaging	kg C	4.16E+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

The EPD presents environmental impact categories in the main results tables using a specific methodological approach for accounting energy resources. To ensure transparency and support informed interpretation, the table below explains the implications of the chosen methodology. It illustrates the GWP-total for energy resources used in the manufacturing stage, comparing the location-based and market-based approaches. In this EPD the following approach was used in main result tables: Location-based approach.

Electricity mix	Source	Amount	Unit	GWPtotal [kg CO2/Unit]	SUM [kg CO2]
Location-based approach.					
Electricity, European average, low voltage	ecoinvent 3.10.1	5.00E-01	kWh	3.40E-01	1.70E-01
Electricity, Sweden, low voltage (kWh)	ecoinvent 3.10.1	9.72E+00	kWh	3.77E-02	3.67E-01
Market-based approach.					
Electricity, Sweden, low voltage, residual mix	ecoinvent 3.10.1	1.02E+01	kWh	6.55E-02	6.69E-01

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

Dangerous substances

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

Indoor environment

Not relevant

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	56.68	3.29	15.50	1.70	0.00	0.00	0.00	0.00	69.15	0.00	-1.03
Total energy consumption	MJ	2329.57	47.03	2.50	335.49	0.00	0.00	0.00	0.00	20.42	0.00	-20.10
Share of recycled materials	%	22.06										

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	1.75E+02	3.29E+00	2.40E-01	1.68E+00	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	0	2.93E+01	0	-1.01E+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 for variants of this EPD

Variants	EPD unit	Weight (kg)	Indicator	Unit	A1-A3	A4	A5	B2	B3
Play modular series (2 seater, 130 cm booth)	1 pcs	45.10	GWP Total	kg CO_2 -eq	46.06	2.57	15.49	1.70	0.00
			Total energy consumption	MJ	1785.04	36.76	2.50	335.49	0.00
			Share of recycled materials	%	25.90	0.00	0.00	0.00	0.00
	Indicator	**Unit**	**B4**	**C1**	**C2**	**C3**	**C4**	**D**	
	GWP Total	kg CO_2 -eq	0.00	0.00	0.00	48.83	0.00	-1.00	
	Total energy consumption	MJ	0.00	0.00	0.00	14.65	0.00	-19.44	
	Share of recycled materials	%	0.00	0.00	0.00	0.00	0.00	0.00	
Variants	**EPD unit**	**Weight (kg)**	**Indicator**	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**B3**
Play modular series (1 seater, 65 cm booth)	1 pcs	31.10	GWP Total	kg CO_2 -eq	34.73	1.77	8.37	1.70	0.00
			Total energy consumption	MJ	1236.79	25.35	1.35	335.49	0.00
			Share of recycled materials	%	22.02	0.00	0.00	0.00	0.00
	Indicator	**Unit**	**B4**	**C1**	**C2**	**C3**	**C4**	**D**	
	GWP Total	kg CO_2 -eq	0.00	0.00	0.00	33.04	0.00	-0.97	
	Total energy consumption	MJ	0.00	0.00	0.00	10.26	0.00	-18.65	
	Share of recycled materials	%	0.00	0.00	0.00	0.00	0.00	0.00	
Variants	**EPD unit**	**Weight (kg)**	**Indicator**	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**B3**
Play modular series (3 seater, 190 cm high)	1 pcs	50.20	GWP Total	kg CO_2 -eq	49.81	2.86	15.50	1.70	0.00
			Total energy consumption	MJ	2010.33	40.92	2.50	335.49	0.00
			Share of recycled materials	%	22.97	0.00	0.00	0.00	0.00
	Indicator	**Unit**	**B4**	**C1**	**C2**	**C3**	**C4**	**D**	
	GWP Total	kg CO_2 -eq	0.00	0.00	0.00	57.64	0.00	-0.92	
	Total energy consumption	MJ	0.00	0.00	0.00	17.50	0.00	-18.00	
	Share of recycled materials	%	0.00	0.00	0.00	0.00	0.00	0.00	
Variants	**EPD unit**	**Weight (kg)**	**Indicator**	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**B3**
Play modular series (2 seater, 130 cm high)	1 pcs	37.70	GWP Total	kg CO_2 -eq	39.69	2.15	15.49	1.70	0.00
			Total energy consumption	MJ	1473.04	30.73	2.50	335.49	0.00
			Share of recycled materials	%	27.80	0.00	0.00	0.00	0.00
	Indicator	**Unit**	**B4**	**C1**	**C2**	**C3**	**C4**	**D**	
	GWP Total	kg CO_2 -eq	0.00	0.00	0.00	37.55	0.00	-0.89	
	Total energy consumption	MJ	0.00	0.00	0.00	12.90	0.00	-17.35	
	Share of recycled materials	%	0.00	0.00	0.00	0.00	0.00	0.00	
Variants	**EPD unit**	**Weight (kg)**	**Indicator**	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**B3**
Play modular series (1 seater, 65 cm high)	1 pcs	21.50	GWP Total	kg CO_2 -eq	28.28	1.23	5.28	1.70	0.00
			Total energy consumption	MJ	868.58	17.53	0.85	335.49	0.00
			Share of recycled materials	%	18.84	0.00	0.00	0.00	0.00
	Indicator	**Unit**	**B4**	**C1**	**C2**	**C3**	**C4**	**D**	
	GWP Total	kg CO_2 -eq	0.00	0.00	0.00	21.24	0.00	-0.86	
	Total energy consumption	MJ	0.00	0.00	0.00	8.28	0.00	-16.56	
	Share of recycled materials	%	0.00	0.00	0.00	0.00	0.00	0.00	

Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.
ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.
EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.
ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.
ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.
LCA.no (2025) EPD generator v2025.09 Background information for EPD generator tool system verification, LCA.no September 2025.
Ruttenborg et al., (2025) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 08.25
NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge.
NPCR 026 Part B for Furniture. Ver. 3.0 October 2024, EPD-Norge.

epd-global Powered by EPD-Norway	**Program operator and publisher** EPD-Global Postboks 5250 Majorstuen, 0303 Oslo, Norway	Phone: e-mail: web:	+47 977 22 020 post@epd-norge.no www.epd-global.com
inoff.	**Owner of the declaration:** inoff inred ab Lilla garnisonsgatan 36, 254 67 Helsingborg, Sweden	Phone: e-mail: web:	+4672-7033119 vesna.paun@inoff.se
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
ECO PLATFORM EPD VERIFIED	ECO Platform ECO Portal	web: web:	www.eco-platform.org ECO Portal