



Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Profim Pace



profim



Owner of the declaration:

Flokk AS

Product:

Profim Pace

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-9457-9098

Registration number: NEPD-9457-9098

Issue date:

26.03.2025

Valid to:

26.03.2030

EPD software:

LCAno EPD generator ID: 846706

The Norwegian EPD Foundation



General information

Product

Profim Pace

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-9457-9098

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 Profim Pace

Declared unit (cradle to gate) with option:

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

Functional unit:

Profim Pace150SFL – Alu base, upholstered seat (Xtreme/Camira), upholstered backrest (Runner/Gabriel), with armrests P65TPU 2D, w/o lumbar support, w/o hanger including large box packaging (fully assembled).

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:

Contact person: Atle Thiis-Messel Phone: 0047 98 25 68 30 e-mail: atle.messel@flokk.com

Manufacturer:

Flokk AS Drammensveien 145, 0277 Oslo, Norway

Place of production:

Flokk - Turek ul. Górnicza 8 62-700 Turek, Poland

Management system:

ISO 14001, ISO 9001.

Organisation no:

No 928 902 749

Issue date:

26.03.2025

Valid to:

26.03.2030

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: Damian Bakowski

Reviewer of company-specific input data and EPD: Damian Piterek

Approved:

Håkon Hauan, CEO EPD-Norge



Product

Product description:

The new Profim task chair - Pace, designed by ITO Design, is the result of a precise focus on elevating comfort and ergonomics for the modern workspace. With each element thoughtfully designed and engineered, Pace incorporates unique innovations that set it apart and deliver maximum comfort with multi-functional capability. Its personalized adjustability, enhanced lumbar support, and advanced synchro mechanism ensure a seamless experience, adapting to the user's individual needs throughout the day. At Profim, every feature of the Pace chair is crafted to enhance the user's comfort, health, and productivity.

Product specification

The model analyzed in detail in this declaration is the Profim Pace 150SFL, featuring an aluminum base, an upholstered seat (Xtreme/Camira), an upholstered backrest (Runner/Gabriel), P65TPU 2D armrests, no lumbar support, and no hanger, including large box packaging (fully assembled). Key environmental indicators for other models and options of the Profim Pace are presented in a table on page 12 of this declaration

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Glass fibre reinforced plastic, polyamide	0,0045	0,025	0.00	0.00
Metal - Aluminium	2,70	15,26	2,70	100.00
Metal - Steel	5,027	28,37	0,81	16,12
Others	0,019	0,11	0,00024	1,23
Plastic - Acrylonitrile butadiene styrene (ABS)	0,22	1,25	0.00	0.00
Plastic - Nylon (PA)	4,42	24,95	2,82	63,83
Plastic - Polyethylene (HDPE)	0,0060	0,033	0.00	0.00
Plastic - Polyoxymethylene (POM)	0,26	1,51	0.00	0.00
Plastic - Polypropylene (PP)	0,71	4,0088	0,32	45,057
Plastic - Polyurethane (PUR)	0,70	3,95	0.00	0.00
Powder coating	0,032	0,18	0.00	0.00
Printed paper	0,00050	0,0028	0,00017	34,31
Reinforcement	2,75	15,57	0.00	0.00
Rubber, synthetic	0,25	1,41	0.00	0.00
Textile - Polyester	0,58	3,31	0,34	58,41
Total	17,71	100,00	7,00	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Paper	0,01	0,12	0,00	34,31
Packaging - Plastic	0,10	2,49	0,00	0,00
Packaging - Plastic straps	0,02	0,55	0,00	0,00
Plastic - Polyethylene (LDPE)	0,02	0,55	0,02	100,00
Recycled cardboard	3,87	96,30	3,87	100,00
Total incl. packaging	21,74	100,00	10,90	

Technical data:

Collection features:

- swivel chairs available with full upholstery or mesh backrest
- synchro SFL MAX mechanism with functions: seat depth adjustment, seat and backrest tilt
- 2 types of adjustable armrest (2D and 4D)
- with or without headrest
- lumbar support and hanger (as options)
- base: black plastic (standard) or polished aluminum (optional)
- black and light grey version (plastic elements)

Market:

Worldwide



Reference service life, product

15 years (warranty 5 years)

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs Profim Pace

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:

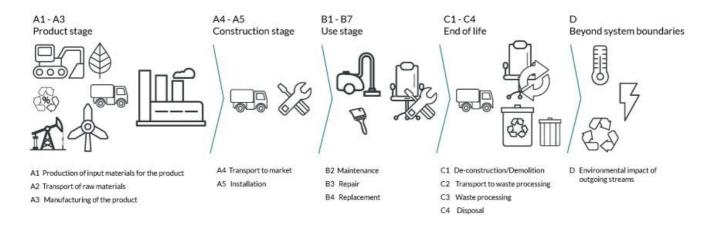
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other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

Materials	Source	Data quality	Year
Glass fibre reinforced plastic, polyamide	ecoinvent 3.6	Database	2019
Metal - Aluminium	ecoinvent 3.6	Database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Metal - Steel	Modified ecoinvent 3.6	Database	2019
Others	ecoinvent 3.6	Database	2019
Packaging - Paper	ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Packaging - Plastic straps	ecoinvent 3.6	Database	2019
Plastic - Acrylonitrile butadiene styrene (ABS)	ecoinvent 3.6	Database	2019
Plastic - Nylon (PA)	ecoinvent 3.6	Database	2019
Plastic - Polyethylene (HDPE)	ecoinvent 3.6	Database	2019
Plastic - Polyethylene (LDPE)	ecoinvent 3.6	Database	2019
Plastic - Polyoxymethylene (POM)	ecoinvent 3.6	Database	2019
Plastic - Polypropylene (PP)	ecoinvent 3.6	Database	2019
Plastic - Polypropylene (PP)	Modified ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Powder coating	ecoinvent 3.6	Database	2019
Printed paper	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Reinforcement	ecoinvent 3.6	Database	2019
Rubber, synthetic	ecoinvent 3.6	Database	2019
Textile - Polyester	ecoinvent 3.6	Database	2019
Textile - Polyester	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:



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 5 (km)	53,3 %	1000	0,023	l/tkm	23,00
Assembly (A5)	Unit	Value			
Waste, packaging, plastic film (LDPE), to average treatment - A5 (kg)	kg	0,12			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	3,87			
Waste, packaging, PET straps, to average treatment - A5 (kg)	kg	0,021			
Waste, packaging, paper printed, to average treatment (kg)	kg	0,0050			
Maintenance (B2)	Unit	Value			
Water, tap water (m3)	m3/DU	0,78			
Repair (B3)	Unit	Value			
Electricity, European average (kWh)	kWh/DU	11,025			
Electricity, World average (kWh)	kWh/DU	1,22			
Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 5 (km)	36,7 %	85	0,044	l/tkm	3,74
Waste processing (C3)	Unit	Value			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	0,58			
Waste treatment per kg Polypropylene (PP), incineration with fly ash extraction - C3 (kg)	kg	0,71			
Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg)	kg	2,79			
Waste treatment per kg Plastics, Mixture, municipal incineration with fly ash extraction (kg)	kg	4,64			
Waste, materials to recycling (kg)	kg	1,98			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	5,027			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	0,70			
Waste treatment per kg Graphical paper, incineration with fly ash extraction (kg)	kg	0,00050			
Waste treatment per kg Polyoxymethylene (POM), incineration with fly ash extraction (kg) - CH - C3	kg	0,26			
Waste treatment per kg Rubber, municipal incineration with fly ash extraction (kg)	kg	0,25			
Waste treatment per kg Polyethylene, PE, incineration with fly ash extraction - C3 (kg)	kg	0,0060			
Waste treatment per kg Scrap aluminium, incineration with fly ash extraction (kg)	kg	2,70			

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Disposal (C4)	Unit	Value		
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,029		
Landfilling of ashes from incineration of Polypropylene, PP, process per kg ashes and residues - C4 (kg)	kg	0,021		
Landfilling of ashes from incineration of Non- hazardous waste, process per kg ashes and residues - C4 (kg)	kg	0,66		
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues - C4 (kg)	kg	0,16		
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	3,32		
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0,026		
Landfilling of ashes from incineration of Graphical paper, process of ashes and residues (kg)	kg	0,000056		
Landfilling of ashes from incineration of Polyoxymethylene (POM), process per kg ashes and residues (kg) - CH - C4	kg	0,0059		
Landfilling of ashes from incineration of Rubber, process per kg ashes and residues - C4 (kg)	kg	0,013		
Landfilling of ashes from incineration of Polyethylene, PE, process per kg ashes and residues - C4 (kg)	kg	0,00021		
Landfilling of ashes and residues from incineration of Scrap aluminium (kg)	kg	2,42		

Benefits and loads beyond the system boundaries (D)	Unit	Value		
Substitution of electricity, in Norway (MJ)	MJ	12,10		
Substitution of thermal energy, district heating, in Norway (MJ)	МЈ	183,14		
Substitution of primary steel with net scrap (kg)	ka	1.30		



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	5,71E+01	1,98E+00	6,66E+00	5,67E+00	2,54E-01
	GWP-fossil		kg CO ₂ -e	eq	6,31E+01	1,98E+00	7,41E-02	5,62E+00	2,52E-01
	GWP-biogenic		kg CO ₂ -e	eq	-6,05E+00	8,11E-04	6,58E+00	3,61E-02	1,62E-03
	GWP-Iuluc		kg CO ₂ -e	eq	6,29E-02	5,77E-04	2,16E-05	1,27E-02	5,74E-04
Ö	ODP		kg CFC11	-eq	3,62E-06	4,57E-07	1,39E-08	4,39E-07	1,95E-08
É	АР		mol H+ -	eq	3,17E-01	8,30E-03	3,11E-04	3,22E-02	1,44E-03
-	EP-FreshWater		kg P -ec	l	2,47E-03	1,51E-05	5,38E-07	5,47E-04	2,47E-05
-	EP-Marine		kg N -ed	1	6,72E-02	2,50E-03	1,11E-04	4,31E-03	1,91E-04
*	EP-Terrestial		mol N -e	q	7,06E-01	2,76E-02	1,11E-03	5,22E-02	2,32E-03
	POCP		kg NMVOC	-eq	2,31E-01	8,88E-03	3,22E-04	1,35E-02	5,94E-04
	ADP-minerals&metals ¹		kg Sb-ed	1	1,26E-02	3,37E-05	1,59E-06	4,34E-05	1,69E-06
	ADP-fossil ¹		МЈ		8,76E+02	3,07E+01	9,24E-01	1,08E+02	4,87E+00
%	WDP ¹		m^3		1,43E+04	2,36E+01	1,28E+00	1,51E+03	6,70E+01
	Indicator		Unit	B4	C1	C2	C3	C4	D
	GWP-total		kg CO ₂ -eq	0	0	3,08E-01	2,35E+01	6,92E-02	-2,53E+00
	GWP-fossil		kg CO ₂ -eq	0	0	3,08E-01	2,26E+01	6,91E-02	-2,49E+00
	GWP-biogenic		kg CO ₂ -eq	0	0	1,26E-04	8,62E-01	5,33E-05	-2,98E-03
	GWP-luluc		kg CO ₂ -eq	0	0	1,08E-04	1,83E-04	2,04E-05	-3,72E-02
Ö	ODP	ŀ	kg CFC11 -eq	0	0	7,02E-08	8,47E-08	2,08E-08	-7,74E-02
Œ	АР		mol H+ -eq	0	0	1,26E-03	5,95E-03	4,78E-04	-1,59E-02
	EP-FreshWater		kg P -eq	0	0	2,42E-06	8,64E-06	7,00E-07	-1,82E-04
	EP-Marine		kg N -eq	0	0	3,73E-04	2,85E-03	1,70E-04	-4,33E-03
	EP-Terrestial		mol N -eq	0	0	4,13E-03	2,87E-02	1,88E-03	-4,60E-02
	POCP	kç	g NMVOC -eq	0	0	1,26E-03	6,97E-03	5,41E-04	-1,57E-02
#\$D	ADP-minerals&metals ¹		kg Sb-eq	0	0	8,34E-06	3,72E-06	1,16E-06	-3,53E-05
	ADP-fossil ¹		MJ	0	0	4,64E+00	4,13E+00	1,54E+00	-2,72E+01
<u>%</u>	WDP ¹		m^3	0	0	4,43E+00	-3,77E+00	3,28E+00	-1,15E+02

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment: EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

Remarks to environmental impacts

[&]quot;Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"

^{*}INA Indicator Not Assessed

^{1.} The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator



Additional e	nvironmental impa	ct indicators						
	Indicator	Unit		A1-A3	A4	A5	B2	В3
	PM	Disease incidence		3,33E-06	1,74E-07	4,63E-09	1,14E-07	4,75E-09
	IRP ²	kgBq U235 -eq		1,95E+00	1,34E-01	3,97E-03	8,90E-01	4,03E-02
6	ETP-fw ¹	CTUe		1,77E+03	2,25E+01	1,21E+00	8,66E+01	3,84E+00
40.2	HTP-c ¹	CTUh		1,17E-07	0,00E+00	3,50E-11	2,79E-09	9,70E-11
26° E	HTP-nc ¹	CTUh		1,44E-06	2,17E-08	1,51E-09	8,81E-08	3,37E-09
	SQP ¹	dimensionless		2,35E+02	3,53E+01	6,71E-01	2,53E+01	1,13E+00
ı	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	2,22E-08	3,70E-08	8,68E-09	-6,49E-07
(10) L	IRP ²	kgBq U235 -eq	0	0	2,03E-02	1,11E-02	6,20E-03	-9,19E-02
42	ETP-fw ¹	CTUe	0	0	3,42E+00	6,28E+01	9,65E-01	-1,62E+02
40. ** <u>*</u> 2	HTP-c ¹	CTUh	0	0	0,00E+00	1,66E-09	3,10E-11	-8,39E-09
₩ ₽	HTP-nc ¹	CTUh	0	0	3,70E-09	5,16E-08	1,00E-09	7,04E-08
&	SOP ¹	dimensionless	0	0	3.20E+00	7.23E-01	3.33E+00	-1.02E+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.

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Resource use									
W 3	Indicator		U	nit	A1-A3	A4	A5	B2	В3
Ç.	PERE		MJ		1,35E+02	3,87E-01	1,56E-02	1,99E+01	9,05E-01
	PERM		MJ		2,27E+01	0,00E+00	-2,27E+01	0,00E+00	0,00E+00
Ţ,	PERT		N	MJ		3,87E-01	-2,27E+01	1,99E+01	9,05E-01
A	PENRE		N	MJ	7,42E+02	3,07E+01	9,24E-01	1,08E+02	4,88E+00
<u> </u>	PENRM		N	MJ	2,61E+02	0,00E+00	-5,69E+00	0,00E+00	0,00E+00
IA	PENRT		1	ΜJ	1,00E+03	3,07E+01	-4,76E+00	1,08E+02	4,88E+00
	SM		I	кg	1,09E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00
2	RSF		1	WJ	1,37E+00	1,35E-02	5, 10E-04	1,38E+00	6,27E-02
	NRSF		1	MJ		4,54E-02	2,06E-03	3,70E-01	1,51E-02
%	FW		m ³		6,78E-01	3,50E-03	4,39E-04	8,69E-01	3,99E-03
Indi	cator	Ų	Unit	B4	C1	C2	C3	C4	D
Indi	cator PERE		Unit MJ	B4 0	C1 0	C2 6,55E-02	C3 2,45E-01	C4 2,97E-02	D -9,48E+01
T T	PERE		MJ	0	0	6,55E-02	2,45E-01	2,97E-02	-9,48E+01
I.	PERE PERM		M1 M1	0	0	6,55E-02 0,00E+00	2,45E-01 -7,06E-03	2,97E-02 0,00E+00	-9,48E+01 0,00E+00
₽	PERE PERM PERT		M1 M1	0 0	0 0	6,55E-02 0,00E+00 6,55E-02	2,45E-01 -7,06E-03 2,38E-01	2,97E-02 0,00E+00 2,97E-02	-9,48E+01 0,00E+00 -9,48E+01
I I I	PERE PERM PERT PENRE		M1 M1 M1	0 0 0	0 0 0	6,55E-02 0,00E+00 6,55E-02 4,64E+00	2,45E-01 -7,06E-03 2,38E-01 4,43E+00	2,97E-02 0,00E+00 2,97E-02 1,54E+00	-9,48E+01 0,00E+00 -9,48E+01 -2,72E+01
	PERE PERM PERT PENRE PENRM		мл мл мл мл	0 0 0 0	0 0 0 0	6,55E-02 0,00E+00 6,55E-02 4,64E+00 0,00E+00	2,45E-01 -7,06E-03 2,38E-01 4,43E+00 -2,55E+02	2,97E-02 0,00E+00 2,97E-02 1,54E+00 0,00E+00	-9,48E+01 0,00E+00 -9,48E+01 -2,72E+01 0,00E+00
	PERE PERM PERT PENRE PENRM PENRT		мл мл мл мл	0 0 0 0 0	0 0 0 0 0	6,55E-02 0,00E+00 6,55E-02 4,64E+00 0,00E+00 4,64E+00	2,45E-01 -7,06E-03 2,38E-01 4,43E+00 -2,55E+02 -2,50E+02	2,97E-02 0,00E+00 2,97E-02 1,54E+00 0,00E+00 1,54E+00	-9,48E+01 0,00E+00 -9,48E+01 -2,72E+01 0,00E+00 -2,72E+01
	PERE PERM PERT PENRE PENRM PENRT SM		MJ MJ MJ MJ MJ kg	0 0 0 0 0 0	0 0 0 0 0 0	6,55E-02 0,00E+00 6,55E-02 4,64E+00 0,00E+00 4,64E+00 0,00E+00	2,45E-01 -7,06E-03 2,38E-01 4,43E+00 -2,55E+02 -2,50E+02 0,00E+00	2,97E-02 0,00E+00 2,97E-02 1,54E+00 0,00E+00 1,54E+00 0,00E+00	-9,48E+01 0,00E+00 -9,48E+01 -2,72E+01 0,00E+00 -2,72E+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

Flol: l:

End of life - Waste										
	Indicator				A1-A3	A4	A5	B2	В3	
	HWD	HWD		g	6,32E-01	1,68E-03	0,00E+00	1,87E-02	8,39E-04	
	NHWD	NHWD		g	1,05E+01	2,67E+00	4,02E+00	4,24E-01	1,73E-02	
₩	RWD		k	9	1,88E-03	2,10E-04	0,00E+00	7,21E-04	3,26E-05	
In	dicator		Unit	B4	C1	C2	C3	C4	D	
Ā	HWD		kg	0	0	2,37E-04	0,00E+00	6,35E+00	-8,15E-03	
Ū	NHWD		kg	0	0	2,22E-01	2,80E+00	1,76E-01	-9,44E-01	
3	RWD		kg	0	0	3,17E-05	0,00E+00	1,03E-05	-7,55E-05	

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

End of life - Output flow											
Ind	icator		Unit		A1-A3	A4	A5	B2	В3		
∅ >	CRU		kg		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
&▷	MFR		kg		8,33E-01	0,00E+00	3,68E+00	0,00E+00	0,00E+00		
DF	MER		kg		1,22E-05	0,00E+00	3,62E-04	0,00E+00	0,00E+00		
50	EEE		MJ		4,60E-01	0,00E+00	2,22E-01	0,00E+00	0,00E+00		
D®	EET		МЈ		6,97E+00	0,00E+00	3,36E+00	0,00E+00	0,00E+00		
Indicato	r	Uni	ı	B4	C1	C2	C3	C4	D		
@ D	CRU	kg		0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
&⊳	MFR	kg		0	0	0,00E+00	1,99E+00	0,00E+00	0,00E+00		
DF	MER	kg		0	0	0,00E+00	1,77E+01	0,00E+00	0,00E+00		
50	EEE	МЈ		0	0	0,00E+00	1,06E+01	0,00E+00	0,00E+00		
	EET	МЈ		0	0	0,00E+00	1,60E+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	2,36E-04				
kg C	1,79E+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, high voltage, hydro (kWh) - PL	ecoinvent 3.6	4.02	a CO2-ea/kWh

Dangerous substances

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

Indoor environment

Greenguard Gold / EU Ecolabel / Möbelfakta

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO ₂ -eq	57,09	1,98	95,53	92,99
Total energy consumption	MJ	879,68	31,18	1058,60	932,59
Amount of recycled materials	%	50,10			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit		A1-A3	A4	A5	B2	В3
GWPIOBC	kg CO ₂ -eq	kg CO ₂ -eq		1,98E+00	7,41E-02	5,99E+00	2,69E-01
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO ₂ -eq	0	0	3,08E-01	2,06E+01	9,01E-02	-3,23E+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 V		GWPtotal (kg CO ₂ -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)	
Profim Pace 100SFL Max – Plastic base, upholstered seat and backrest (Xtreme/Camira), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	15,88	52,87	713,36	38,58	
Profim Pace 100SFL Max – Alu base, upholstered seat and backrest (Xtreme/Camira), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	16,59	51,25	682,23	44,82	
Profim Pace 101SFL Max – Plastic base, upholstered seat, backrest and headrest (Xtreme/Camira), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	16,35	55,51	745,84	37,72	
Profim Pace 101SFL Max – Alu base, upholstered seat, backrest and headrest (Xtreme/Camira), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	17,07	53,89	714,71	43,82	
Profim Pace 150SFL Max – Plastic base, upholstered seat (Xtreme/Camira), upholstered backrest (Runner/Gabriel), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	15,10	48,70	657,73	37,69	
Profim Pace 150SFL Max – Alu base, upholstered seat (Xtreme/Camira), upholstered backrest (Runner/Gabriel), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	15,81	47,08	626,59	44,28	
Profim Pace 151SFL Max – Plastic base, upholstered seat and headrest (Xtreme/Camira), upholstered backrest (Runner/Gabriel), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	15,59	51,42	691,05	36,86	
Profim Pace 151SFL Max – Alu base, upholstered seat and headrest (Xtreme/Camira), upholstered backrest (Runner/Gabriel), w/o armrests, w/o lumbar support, w/o hanger – No Packaging	16,31	49,81	659,91	43,29	

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 (%)			
Profim Pace 100/101/150/151SFL Max – Armrest P65TPU 2D (set)	1,90	12,41	141,59	0,00			
Profim Pace 100/101/150/151SFL Max – Armrest P66TPU 4D (set)	2,06	13,81	154,75	0,00			
Profim Pace 100/101SFL Max – Lumbar support	0,66	3,49	42,29	15,19			
Profim Pace 150/151SFL Max – Lumbar support	0,67	2,22	27,61	65,53			
Profim Pace 100/101/150/151SFL Max – Hanger	0,16	0,42	5,51	56,92			
Profim Pace 100/101/150/151SFL Max – Packaging 1 (large box, fully assembled)	4,43	-2,69	122,73	97,12			
Profim Pace 100/101/150/151SFL Max – Packaging 2 (small box, semi assembled)	4,49	-2,79	124,04	97,35			



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