epd-norge
Global program operatør

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Soneo 50 Floor 1000x1500x50

abstracta

The Norwegian EPD Foundation

Owner of the declaration:
Abstracta AB

Product:
Soneo 50 Floor 1000x1500x50

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-7964-7629-EN

Registration number:

NEPD-7964-7629-EN

Issue date: 30.10.2024

Valid to: 30.10.2029

EPD software:
LCAno EPD generator ID: 626656

General information

Product

Soneo 50 Floor 1000x1500x50

Owner of the declaration:

Abstracta AB
Contact person: Tim Wisme
Phone:
e-mail: tim.wisme@abstracta.se

Program operator:

The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
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Manufacturer:

Abstracta AB

Declaration number:

NEPD-7964-7629-EN

Place of production:

Abstracta AB
Lammengatan 2
363 45 Lammhult, Sweden

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2022 Part B for Furniture

Management system:

ISO 9001, 14001 och 45001

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:

556046-3852

Declared unit:

1 pcs Soneo 50 Floor 1000x1500x50

Issue date:

30.10.2024

Declared unit (cradle to gate) with option:

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

Valid to:

30.10.2029

Year of study:

2023

Functional unit:

This EPD covers one piece of Soneo 50 Floor Screen with wool upholstery, including packaging. The product functions as a sound-absorbing floor screen. At the end of its lifecycle, it can be dismantled and either recycled or returned to Abstracta for reuse or recycling.

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: Tim Wisme

Reviewer of company-specific input data and EPD: Erik Graesen

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
Managing Director of EPD-Norway

Product

Product description:

Firmly focused on room acoustics, Soneo is a series of highly functional free-standing and desk-mounted screens that comes into their own in challenging acoustic conditions. The screens provide an effective means of creating a pleasant working environment by lowering noise levels and enhancing privacy. They can also be equipped with inconspicuous storage accessories made of transparent acrylic, making it easier to keep desks orderly and free of clutter.

Find more information at the product page: https://abstracta.se/product/soneo-square-shaped-floor-screen/.

Product specification

Soneo is a functional and clean screen series. With its sound absorbing core, it creates a comfortable soundscape. The screens are made from a solid wood frame filled with sound absorbing material, covered in fabrics. The leg set is made from recycled aluminium. Note that the leg set is not included in the product. Choose your fabric from a wide variety of options.

This EPD includes the following variants:
Soneo 50 Floor Screen 1000x1500x50
Soneo 50 Floor Screen 800x1360x50
Soneo 50 Floor Screen 800x1500x50
Soneo 50 Floor Screen 800x1700x50
Soneo 50 Floor Screen 1000x1360x50
Soneo 50 Floor Screen 1000x1700x50
Soneo 50 Floor Screen 1200x1360x50
Soneo 50 Floor Screen 1200x1500x50
Soneo 50 Floor Screen 1200x1700x50
Soneo 50 Floor Screen 800x1600x50
Soneo 50 Floor Screen 1200x1600x50

It also includes the following options:
Soneo 50 Floor Screen 1000x1500x50 with polyester upholstery
Soneo 50 Floor Screen 1000x1500x50 without leg set

See the product sheet for more information: https://lammhults.sharepoint.com/:b:/s/abs-webpage/EaaN0MCHGNFDm3XcQSBpowgBy7e04Hs-2pGQcBdEz9umVw?e=o5if0W

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Glue for wood	0,12	0,99	0,00	0,00
Insulation - stone wool	4,22	34,82	0,68	16,15
Plastic - Nylon (PA)	0,00	0,01	0,00	0,00
Plastic - Polyurethane (PUR)	0,10	0,83	0,00	0,00
Powder coating	0,01	0,08	0,00	0,00
Textile - Wool	1,50	12,38	0,00	0,00
Metal - Aluminium	0,69	5,69	0,69	100,00
Metal - Steel	0,04	0,33	0,00	0,00
Wood	5,44	44,88	0,00	0,00
Total	12,12	100,00	1,37	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Paper	0,01	0,58	0,00	0,00
Recycled cardboard	1,71	99,42	1,71	100,00
Total incl. packaging	13,84	100,00	3,08	

Technical data:

The dimensions of Soneo 50 Floor Screen are 1000x1500x50, but other sizes are also available. This EPD is made for Soneo 50, including a standard choice as a leg set. Note that the leg set is not included in the product.

For more information on the technical data of Soneo 50 Floor Screen, see the technical data sheet: https://lammhults.sharepoint.com/:b:/s/abs-webpage/EWYCdFy9HuZNjz6WeS7SaeEBre2EYdcpkqjWQSAn5bPsNg?e=XMZu72

Market:

The product is available worldwide. The distance to the market is based on shipping to Scandinavia or Western Europe.

Reference service life, product

Estimated to be 15 years, with a 5-year warranty and a 10-year spare part guarantee.

Reference service life, building

Assumed to be 60 years.

LCA: Calculation rules

Declared unit:

1 pcs Soneo 50 Floor 1000x1500x50

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
Glue for wood	ecoinvent 3.6	Database	2019
Insulation - stone wool	NEPD-4117-3336-EN	EPD	2021
Metal - Aluminium	ecoinvent 3.6	Database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Paper	ecoinvent 3.6	Database	2019
Plastic - Nylon (PA)	ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Powder coating	Ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Textile - Wool	Modified ecoinvent 3.6	Database	2019
Wood	ecoinvent 3.6	Database	2019

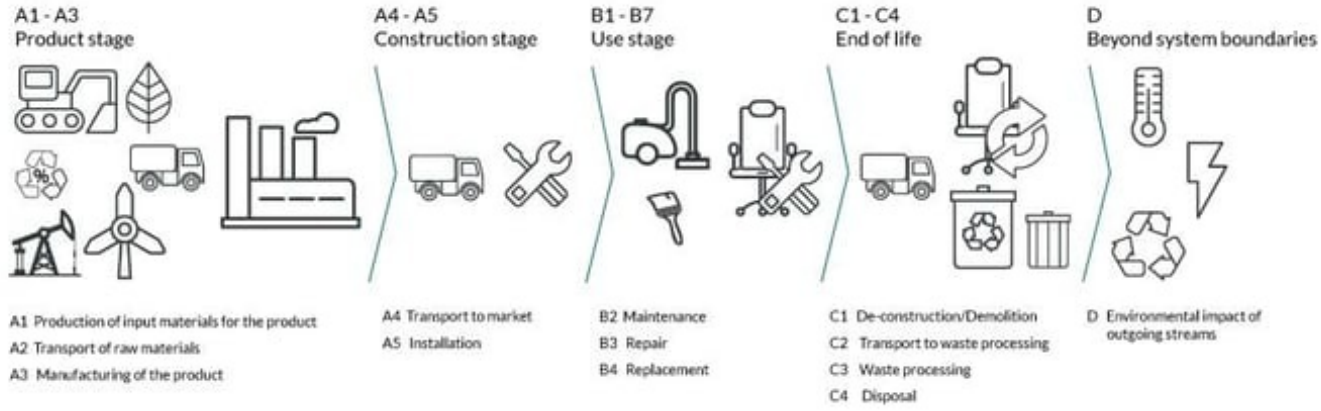
System boundaries (X=included, MND=module not declared, MNR=module not relevant)

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	MNR	X	X	X	MNR	MNR	MNR	X	X	X	X	X

System boundary:

The EPD is a cradle-to-grave analysis (A1-D), excluding certain B-stages (use phase) deemed negligible.

• A1-A4 stages: These encompass the extraction and production of raw materials, transportation to the production site, the production process itself, and an estimated transport distance to the market.
• A5 stage: This includes the waste generated from the product's packaging after customer assembly.
• B stage: Only B2 is considered relevant, involving assumptions on customer care based on Abstracta's care instructions.
• C and D stages: These cover the use of materials and energy for deconstruction, transportation to waste management, waste processing, disposal of non-processable materials, and the potential for reuse, recovery, and recycling of the product.



Additional technical information:

Care instructions

Fabric
To maintain the color and appearance of the fabric, it should be vacuum cleaned regularly with a soft nozzle.

Stain Removal for Polyester:
• Use a colorless towel or a washcloth to absorb as much as possible of still-moist stain. Dried stains should be vacuumed.
• Wet the stain sparingly with a white pure cotton cloth, warm water and possibly a little pH-neutral cleaner.
• Dab the area with a dry cloth or colorless paper towel to absorb the moisture and stain.
• Repeat this process until the stain is gone.
• On the final repetition, use only clean water with no detergent added.
• Finish by dabbing up moisture with a dry cloth or paper towel.

Stain Removal for wool:
Dab or wipe gently with a damp cloth.

Abstracta offers a take-back scheme for used products that our customers want to recycle. We can then reuse the components in the best, possible way. In this way, we can save some of the world's resources by reusing or refurbishing some products to avoid throwing away fully functional material or products. In cases where this is not possible, we instead recycle the materials. Read more about this here https://abstracta.se/story/abstracta-is-introducing-a-new-recycling-service-for-used-products-abstracta/. Otherwise, try to ensure that the product can be reused when possible, or else, dismantle it so that as much of the materials can be recycled as possible.

LCA: Scenarios and additional technical information

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

Certain assumptions have been made regarding the product's lifetime after it leaves the factory.

• A4-stage: It is assumed that the product is transported to customers in Scandinavia, Germany, the UK, or France, which accounted for 88% of sales in 2023. An average distance to the customer has been calculated based on this data.
• A5-stage: The packaging of the product becomes waste, and the impacts are automatically added according to the EPD tool's assumptions on on-site waste handling.
• B-stage: It is assumed that the customer maintains the product by vacuuming it for 0.5 minutes/m2 of the product, with a 600 W vacuum, once a month.
• C-stage: It is assumed that there is a 50 km distance from the customer to a waste terminal. The remaining values for waste-handling are automatically filled in by the tool.
• D-stage: Automatic values are filled in according to generic data.

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Ship, Ferry, Sea (km)	50,0 %	8	0,034	l/tkm	0,27
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	502	0,043	l/tkm	21,59

Assembly (A5)	Unit	Value			
Waste, packaging, kraft paper, unbleached, to average treatment (kg)	kg	0,01			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	1,71			

Maintenance (B2)	Unit	Value			
Electricity, Nordic (kWh)	kWh/DU	2,70			

Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	50	0,043	l/tkm	2,15

Waste processing (C3)	Unit	Value			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	5,44			
Copper to recycling (kg)	kg	0,09			
Waste treatment per kg Scrap aluminium, incineration with fly ash extraction (kg)	kg	0,69			
Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg)	kg	0,01			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	0,04			
Waste treatment per kg Plastics, Mixture, municipal incineration with fly ash extraction (kg)	kg	0,00			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	0,10			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	1,50			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0,12			

Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,06			
Landfilling of ashes and residues from incineration of Scrap aluminium (kg)	kg	0,62			
Landfilling of ashes from incineration of Non-hazardous waste, process per kg ashes and residues - C4 (kg)	kg	0,00			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	0,03			
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues - C4 (kg)	kg	0,00			
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0,00			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,08			
Waste, Stone wool, to landfil (kg)	kg	4,22			
Landfilling of ashes from incineration of Hazardous waste, from incineration (kg)	kg	0,02			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	80,04			
Substitution of electricity, in Norway (MJ)	MJ	5,29			
Substitution of primary steel with net scrap (kg)	kg	0,01			

LCA: Results

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

Environmental impact							
Indicator		Unit	A1-A3	A4	A5	B2	B3
	GWP-total	kg CO_2 -eq	1,17E+02	1,15E+00	2,95E+00	3,93E-01	0
	GWP-fossil	kg CO_2 -eq	8,03E+01	1,15E+00	2,78E-02	3,67E-01	0
	GWP-biogenic	kg CO_2 -eq	2,99E+01	4,73E-04	2,92E+00	6,70E-03	0
	GWP-luluc	kg CO_2 -eq	6,81E+00	4,11E-04	9,20E-06	2,01E-02	0
	ODP	kg CFC11 -eq	2,54E-06	2,60E-07	5,87E-09	3,97E-08	0
	AP	mol H+ -eq	2,08E+00	3,66E-03	1,32E-04	1,69E-03	0
	EP-FreshWater	kg P -eq	1,70E-02	9,11E-06	2,28E-07	2,42E-05	0
	EP-Marine	kg N -eq	3,37E-01	7,45E-04	4,36E-05	2,67E-04	0
	EP-Terrestial	mol N -eq	8,56E+00	8,32E-03	4,72E-04	3,59E-03	0
	POCP	kg NMVOC -eq	2,35E-01	3,05E-03	1,36E-04	8,40E-04	0
	ADP-minerals&metals[1]	kg Sb-eq	3,45E-03	3,14E-05	6,77E-07	5,70E-06	0
	ADP-fossil[1]	MJ	7,76E+02	1,73E+01	3,89E-01	9,91E+00	0
	WDP[1]	m^3	2,97E+03	1,66E+01	4,93E-01	7,66E+02	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	GWP-total	kg CO_2 -eq	0	0	1,13E-01	1,19E+01	4,23E-02	-4,96E-01
	GWP-fossil	kg CO_2 -eq	0	0	1,13E-01	6,50E-01	4,23E-02	-4,79E-01
	GWP-biogenic	kg CO_2 -eq	0	0	4,68E-05	1,13E+01	3,50E-05	-9,66E-04
	GWP-luluc	kg CO_2 -eq	0	0	4,02E-05	8,31E-05	9,80E-06	-1,60E-02
	ODP	kg CFC11 -eq	0	0	2,56E-08	3,96E-08	1,22E-08	-3,38E-02
	AP	mol H+ -eq	0	0	3,25E-04	1,79E-03	2,93E-04	-3,90E-03
	EP-FreshWater	kg P -eq	0	0	9,03E-07	8,01E-06	4,56E-07	-4,22E-05
	EP-Marine	kg N -eq	0	0	6,43E-05	7,67E-04	9,93E-05	-1,27E-03
	EP-Terrestial	mol N -eq	0	0	7,19E-04	8,07E-03	1,10E-03	-1,37E-02
	POCP	kg NMVOC -eq	0	0	2,75E-04	2,00E-03	3,18E-04	-3,80E-03
	ADP-minerals&metals[1]	kg Sb-eq	0	0	3,12E-06	1,35E-06	3,63E-07	-4,87E-06
	ADP-fossil[1]	MJ	0	0	1,71E+00	1,96E+00	8,61E-01	-6,76E+00
	WDP[1]	m^3	0	0	1,65E+00	5,06E+00	1,97E+00	-8,19E+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	1,58E-05	6,98E-08	1,94E-09	8,96E-09	0
	IRP[2]	kgBq U235 -eq	2,09E+00	7,57E-02	1,67E-03	2,26E-01	0
	ETP-fw[1]	CTUe	1,31E+03	1,28E+01	5,19E-01	1,24E+01	0
	HTP-c[1]	CTUh	8,27E-08	0,00E+00	1,50E-11	2,89E-10	0
	HTP-nc[1]	CTUh	1,04E-06	1,40E-08	6,52E-10	7,61E-09	0
	SQP[1]	dimensionless	-5,99E+04	1,20E+01	2,61E-01	7,46E+00	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	6,92E-09	1,93E-08	5,30E-09	-2,33E-07
	IRP[2]	kgBq U235 -eq	0	0	7,47E-03	6,69E-03	3,60E-03	-4,23E-02
	ETP-fw[1]	CTUe	0	0	1,27E+00	1,10E+01	6,48E-01	-3,69E+01
	HTP-c[1]	CTUh	0	0	0,00E+00	5,31E-10	2,00E-11	-7,34E-10
	HTP-nc[1]	CTUh	0	0	1,38E-09	1,46E-08	7,23E-10	-3,30E-08
	SQP[1]	dimensionless	0	0	1,20E+00	5,63E-01	1,85E+00	-4,44E+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	8,05E+02	2,47E-01	6,41E-03	9,74E+00	0
	PERM	MJ	1,47E+02	0,00E+00	-1,01E+01	0,00E+00	0
	PERT	MJ	9,52E+02	2,47E-01	-1,01E+01	9,74E+00	0
	PENRE	MJ	7,95E+02	1,73E+01	3,89E-01	1,01E+01	0
	PENRM	MJ	2,99E+01	0,00E+00	0,00E+00	0,00E+00	0
	PENRT	MJ	8,25E+02	1,73E+01	3,89E-01	1,01E+01	0
	SM	kg	3,08E+00	0,00E+00	0,00E+00	0,00E+00	0
	RSF	MJ	1,62E-01	8,81E-03	2,13E-04	9,84E-02	0
	NRSF	MJ	1,54E-01	3,14E-02	8,76E-04	0,00E+00	0
	FW	m^3	8,36E-01	1,84E-03	1,84E-04	4,43E-02	0

Indicator		**Unit**	B4	C1	C2	C3	C4	D
	PERE	MJ	0	0	2,45E-02	2,29E-01	1,53E-02	-4,10E+01
	PERM	MJ	0	0	0,00E+00	-1,09E+02	0,00E+00	0,00E+00
	PERT	MJ	0	0	2,45E-02	-1,09E+02	1,53E-02	-4,10E+01
	PENRE	MJ	0	0	1,71E+00	1,98E+00	8,62E-01	-6,76E+00
	PENRM	MJ	0	0	0,00E+00	-8,66E+00	0,00E+00	0,00E+00
	PENRT	MJ	0	0	1,71E+00	-6,68E+00	8,62E-01	-6,76E+00
	SM	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	RSF	MJ	0	0	8,75E-04	5,08E-03	3,39E-04	-6,64E-03
	NRSF	MJ	0	0	3,13E-03	0,00E+00	2,41E-02	-2,41E+00
	FW	m^3	0	0	1,83E-04	2,90E-03	9,21E-04	-4,94E-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	3,06E-01	8,91E-04	0,00E+00	9,28E-04	0
	NHWD	kg	1,11E+01	8,35E-01	1,72E+00	6,15E-02	0
	RWD	kg	3,04E-03	1,18E-04	0,00E+00	1,04E-04	0

Indicator		Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	8,81E-05	0,00E+00	6,98E-01	-3,90E-04
	NHWD	kg	0	0	8,31E-02	1,30E-01	4,27E+00	-1,63E-01
	RWD	kg	0	0	1,16E-05	0,00E+00	5,25E-06	-3,47E-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	1,03E-01	0,00E+00	1,60E+00	0,00E+00	0
	MER	kg	3,33E-01	0,00E+00	7,01E-04	0,00E+00	0
	EEE	MJ	2,05E-01	0,00E+00	9,84E-02	0,00E+00	0
	EET	MJ	3,10E+00	0,00E+00	1,49E+00	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	8,52E-02	1,58E-04	0,00E+00
	MER	kg	0	0	0,00E+00	7,90E+00	1,28E-06	0,00E+00
	EEE	MJ	0	0	0,00E+00	4,99E+00	1,10E-05	0,00E+00
	EET	MJ	0	0	0,00E+00	7,55E+01	1,67E-04	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	2,47E+00
Biogenic carbon content in accompanying packaging	kg C	1,67E+00

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO2

Additional requirements

Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Source	Amount	Unit
Electricity, Sweden (kWh)	ecoinvent 3.6	54,94	g CO2-eq/kWh

Dangerous substances

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

Indoor environment

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO_2 -eq	116,99	1,15	133,54	133,05
Total energy consumption	MJ	1599,86	17,60	1642,61	1592,44
Amount of recycled materials	%	19,52			

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	1,29E+02	1,15E+00	2,78E-02	5,33E-01	0

Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO_2 -eq	0	0	1,13E-01	3,09E+00	4,70E-02	-4,96E-01

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 (%)
Soneo 50 Floor 800x1360x50	10,63	83,73	1147,72	23,25
Soneo 50 Floor 1000x1360x50	11,41	92,78	1264,15	24,48
Soneo 50 Floor 1200x1360x50	13,00	104,34	1435,20	24,12
Soneo 50 Floor 800x1500x50	12,94	105,28	1452,05	21,28
Soneo 50 Floor 1200x1500x50	15,63	132,12	1815,27	22,18
Soneo 50 Floor 800x1700x50	15,44	126,79	1764,32	21,29
Soneo 50 Floor 1000x1700x50	16,38	141,10	1939,09	21,67
Soneo 50 Floor 1200x1700x50	18,27	159,85	2194,35	21,21
Soneo 50 Floor 800x1600x50	12,34	98,68	1354,01	25,11
Soneo 50 Floor 1200x1600x50	17,43	150,13	2068,55	21,90

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 (%)
Soneo 50 Floor 1000x1500x50 with polyester upholstery	13,29	38,06	1219,41	23,18
Soneo 50 Floor 1000x1500x50 without leg set	12,98	116,16	1585,92	17,50

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