



# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

## Embrace tablescreen acoustics



## **EDSBYN**

The Norwegian EPD Foundation

Owner of the declaration:

AB Edsbyverken

Product:

Embrace tablescreen acoustics

**Declared unit:** 

1 pc

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-8583-8244-EN

**Registration number:**NEPD-8583-8244-EN

**Issue date:** 20.12.2024

Valid to: 20.12.2029

**EPD** software:

LCAno EPD generator ID: 723890



#### **General information**

#### **Product**

Embrace tablescreen acoustics

#### **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-8583-8244-EN

#### 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 Embrace tablescreen acoustics

#### Declared unit (cradle to gate) with option:

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

#### Functional unit:

The main EPD is calculated on Embrace tablescreen acoustics 1400\*650\*47. Other sizes in Variants.

#### 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:

AB Edsbyverken

Contact person: Maria Olsson

Phone

e-mail: maria.olsson@edsbyn.com

#### Manufacturer:

AB Edsbyverken

#### Place of production:

AB Edsbyverken Karlsvägen 2 828 32 Edsbyn, Sweden

#### Management system:

ISO 14001, ISO 9001

#### **Organisation no:**

556040-0755

#### Issue date:

20.12.2024

#### Valid to:

20.12.2029

### 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: Maria Olsson

Reviewer of company-specific input data and EPD: Jonathan Liverstad

## Approved:

Håkon Hauar

Managing Director of EPD-Norway



#### **Product**

#### **Product description:**

Embrace Acoustic – a functional tablescreen that contributes to a pleasant working environment. The screen effectively absorbs noise from your surroundings, which fosters focus and well-being at the workplace.

The frame is made of MDF (manufactured from 100% recycled wood) and upholstered with two layers of sound-absorbing materials. There are many optional colors for the overlay, so you can choose if you want the screen to blend in or stand out from your other furnishings.

For Embrace Acoustic there are several accessories available that adds flexibility and effectiveness to your work environment. Sound absorption N10.

More information about the product can be found here: https://www.edsbyn.com/products/embrace/acoustic-table-screen/

#### **Product specification**

The main EPD is calculated on 1400\*650\*47. Width: available from 800-2000 mm Height: 650 mm for all widths.

Depth: 47 mm for all widths.

Variants shows different sizes.

Angle brackets and other options are not included in the EPD.

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Plastic - Polypropylene (PP)	0,51	5,95	0,00	0,00
Wood - Medium Density Fibreboard (MDF)	6,86	80,00	0,00	0,00
Textile - Polyester	1,20	14,04	0,00	0,00
Total	8,57	100,00	0,00	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Recycled cardboard	0,78	100,00	0,78	100,00
Total incl. packaging	9,36	100,00	0,78	

#### Technical data:

Möbelfakta-certified product.

#### Market:

Europe.

#### Reference service life, product

5 years warranty. The RSL is at least 10 years, depending on chosen surface material and maintenance.

#### Reference service life, building

#### LCA: Calculation rules

#### Declared unit:

1 pcs Embrace tablescreen acoustics

#### **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:



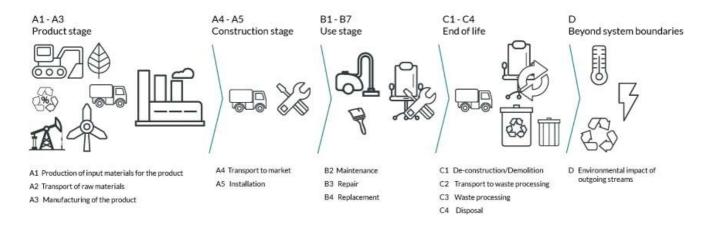
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other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

Materials	Source	Data quality	Year
Plastic - Polypropylene (PP)	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Textile - Polyester	ecoinvent 3.6	Database	2019
Wood - Medium Density Fibreboard (MDF)	EPD-NIBE-20210326-18330	EPD	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	Χ	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, 16-32 tonnes, EURO 6 (km)	36,7 %	300	0,043	l/tkm	12,90
Assembly (A5)	Unit	Value			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	0,78			
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 Polypropylene (PP), incineration with fly ash extraction - C3 (kg)	kg	0,51			
Waste treatment per kg Textile, incineration with fly ash extraction (kg)	kg	1,20			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	6,85			
Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Polypropylene, PP, process per kg ashes and residues - C4 (kg)	kg	0,015			
Landfilling of ashes from incineration of Textile, soiled, process per kg ashes and residues (kg)	kg	0,060			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,078			
Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity, in Norway (MJ)	MJ	6,69			
Substitution of thermal energy, district heating, in Norway (MJ)	МЈ	101,21			



**LCA: Results** 

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

Environme	ntal impact		1 3						
	Indicator	_	Unit		A1-A3	A4	A5	B2	В3
	GWP-total		kg CO <sub>2</sub> - (	eq	1,26E+00	4,59E-01	1,34E+00	0	0
	GWP-fossil		kg CO <sub>2</sub> -eq		1,41E+01	4,59E-01	1,27E-02	0	0
	GWP-biogenic		kg CO <sub>2</sub> -	eq	-1,29E+01	1,90E-04	1,33E+00	0	0
	GWP-Iuluc		kg CO <sub>2</sub> -	eq	6,78E-02	1,63E-04	4,20E-06	0	0
٨	ODP		kg CFC11	-eq	1,88E-06	1,04E-07	2,68E-09	0	0
Œ.	AP		mol H+ -	eq	6,53E-02	1,32E-03	6,01E-05	0	0
<del></del>	EP-FreshWater		kg P -ed	7	5,68E-04	3,66E-06	1,04E-07	0	0
<del></del>	EP-Marine		kg N -ed	q	1,28E-02	2,61E-04	1,99E-05	0	0
<del>2</del>	EP-Terrestial		mol N -e	eq	1,64E-01	2,92E-03	2,15E-04	0	0
	POCP		kg NMVOC	:-eq	5,34E-02	1,12E-03	6,19E-05	0	0
	ADP-minerals&metals <sup>1</sup>		kg Sb-e	9	9,82E-04	1,27E-05	3,09E-07	0	0
	ADP-fossil <sup>1</sup>		MJ		3,47E+02	6,93E+00	1,78E-01	0	0
<u></u>	WDP <sup>1</sup>	m <sup>3</sup>			7 505 : 02	6,71E+00	2,25E-01	0	0
(%)	WDP.		m³		7,50E+03	0,710+00	2,231-01	U	U
(%)	Indicator		Unit	B4	7,50E+03	6,71E+00	C3	C4	D
				B4 0					
	Indicator		Unit		C1	C2	C3	C4	D
	<b>Indicator</b> GWP-total		<b>Unit</b> kg CO <sub>2</sub> -eq	0	C1 0	C2 7,65E-02	C3 1,36E+01	C4 4,43E-03	D -6,08E-01
	Indicator  GWP-total  GWP-fossil		Unit kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq	0	C1 0	C2 7,65E-02 7,64E-02	C3 1,36E+01 1,40E+00	C4 4,43E-03 4,42E-03	D -6,08E-01 -5,87E-01
<b>P</b>	Indicator  GWP-total  GWP-fossil  GWP-biogenic		Unit kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq	0 0	C1 0 0	C2 7,65E-02 7,64E-02 3,16E-05	C3 1,36E+01 1,40E+00 1,22E+01	C4 4,43E-03 4,42E-03 9,74E-06	D -6,08E-01 -5,87E-01 -1,21E-03
<b>P P P P P P P P P P</b>	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc		Unit  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq	0 0 0 0	0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP		Unit  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq	0 0 0 0	0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP		Unit  kg CO <sub>2</sub> -eq  mol H+ -eq	0 0 0 0 0	0 0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08 2,20E-04	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09 1,43E-03	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10 1,61E-05	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02 -4,83E-03
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater		witk  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CFC11 -eq  mol H+ -eq  kg P -eq	0 0 0 0 0 0	0 0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08 2,20E-04 6,11E-07	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09 1,43E-03 1,76E-06	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10 1,61E-05 5,91E-08	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02 -4,83E-03 -5,21E-05
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine		kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq	0 0 0 0 0 0	0 0 0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08 2,20E-04 6,11E-07 4,35E-05	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09 1,43E-03 1,76E-06 6,84E-04	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10 1,61E-05 5,91E-08 5,09E-06	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02 -4,83E-03 -5,21E-05 -1,58E-03
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine  EP-Terrestial		kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08 2,20E-04 6,11E-07 4,35E-05 4,86E-04	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09 1,43E-03 1,76E-06 6,84E-04 7,28E-03	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10 1,61E-05 5,91E-08 5,09E-06 5,78E-05	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02 -4,83E-03 -5,21E-05 -1,58E-03 -1,71E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine  EP-Terrestial  POCP		kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq g NMVOC -eq	0 0 0 0 0 0 0	C1 0 0 0 0 0 0 0 0	C2 7,65E-02 7,64E-02 3,16E-05 2,72E-05 1,73E-08 2,20E-04 6,11E-07 4,35E-05 4,86E-04 1,86E-04	C3 1,36E+01 1,40E+00 1,22E+01 1,67E-05 9,25E-09 1,43E-03 1,76E-06 6,84E-04 7,28E-03 1,78E-03	C4 4,43E-03 4,42E-03 9,74E-06 7,02E-07 5,08E-10 1,61E-05 5,91E-08 5,09E-06 5,78E-05 1,60E-05	D -6,08E-01 -5,87E-01 -1,21E-03 -2,02E-02 -4,28E-02 -4,83E-03 -5,21E-05 -1,58E-03 -1,71E-02 -4,71E-03

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

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009"

<sup>\*</sup>INA Indicator Not Assessed

<sup>1.</sup> The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator



Additional env	ironmental impact ind	licators					
	Indicator	Unit	A1-A3	A4	A5	B2	В3
	PM	Disease incidence	7,46E-07	2,81E-08	8,87E-10	0	0
	IRP <sup>2</sup>	kgBq U235 -eq	3,27E+00	3,03E-02	7,60E-04	0	0
	ETP-fw <sup>1</sup>	CTUe	3,41E+02	5,14E+00	2,37E-01	0	0
40 x	HTP-c <sup>1</sup>	CTUh	8,13E-09	0,00E+00	7,00E-12	0	0
44 E	HTP-nc <sup>1</sup>	CTUh	1,91E-07	5,62E-09	2,97E-10	0	0
	SQP <sup>1</sup>	dimensionless	1,02E+03	4,85E+00	1,19E-01	0	0

li li	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	4,68E-09	1,40E-08	2,07E-10	-2,93E-07
	IRP <sup>2</sup>	kgBq U235 -eq	0	0	5,05E-03	1,68E-03	1,99E-04	-5,36E-02
<b>3</b>	ETP-fw <sup>1</sup>	CTUe	0	0	8,57E-01	1,83E+00	7,33E-02	-4,56E+01
40.* *** <u>*</u>	HTP-c <sup>1</sup>	CTUh	0	0	0,00E+00	3,11E-10	4,00E-12	-8,37E-10
48° E	HTP-nc <sup>1</sup>	CTUh	0	0	9,36E-10	1,50E-08	1,33E-10	-4,38E-08
	SQP <sup>1</sup>	dimensionless	0	0	8,08E-01	1,28E-01	1,29E-01	-5,61E+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)

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009"

<sup>\*</sup>INA Indicator Not Assessed

<sup>1.</sup> 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

<sup>2.</sup> 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		Ur	nit	A1-A3	A4	A5	B2	В3
	PERE		N	1)	2,18E+02	9,93E-02	2,92E-03	0	0
	PERM		N	1)	9,35E+01	0,00E+00	-4,59E+00	0	0
₹,	PERT		N	1J	3,11E+02	9,93E-02	-4,59E+00	0	0
	PENRE		N	1)	3,19E+02	6,94E+00	1,78E-01	0	0
<u> </u>	PENRM		N	1)	4,97E+01	0,00E+00	0,00E+00	0	0
IA	PENRT		N	1J	3,69E+02	6,94E+00	1,78E-01	0	0
<u> </u>	SM		k	g	7,85E-01	0,00E+00	0,00E+00	0	0
2	RSF		N	1J	3,08E-01	3,55E-03	9,70E-05	0	0
	NRSF		N	1)	6,27E-01	1,27E-02	4,00E-04	0	0
<b>%</b>	FW		m	n <sup>3</sup>	2,32E-01	7,42E-04	8,38E-05	0	0
	ndicator	Unit		B4	C1	C2	C3	C4	D
Ç.	PERE	MJ		0	0	1,65E-02	2,87E-02	2,33E-03	-5,18E+01
S.	PERM	MJ		0	0	0,00E+00	-8,89E+01	0,00E+00	0,00E+00
<b>4</b>	PERT	MJ		0	0	1,65E-02	-8,88E+01	2,33E-03	-5,18E+01
	PENRE	МЈ		0	0	1,16E+00	8,94E-01	4,26E-02	-8,39E+00
<u>Å</u>	PENRM	МЈ		0	0	0,00E+00	-4,56E+01	0,00E+00	0,00E+00
IA	PENRT	МЈ		0	0	1,16E+00	-4,47E+01	4,26E-02	-8,39E+00
<u></u>	SM	kg		0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
2	RSF	МЈ		0	0	5,92E-04	6,79E-04	5,79E-05	-9,08E-03
	NRSF	МЈ		0	0	2,12E-03	0,00E+00	2,61E-02	-3,07E+00
<b>®</b>	FW	$m^3$		0	0	1,24E-04	1,88E-03	3,90E-05	-6,24E-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; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

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



End of life - Waste								
	Indicator	Uı	nit	A1-A3	A4	A5	B2	В3
	HWD	k	g	7,04E-02	3,58E-04	0,00E+00	0	0
Ī	NHWD	k	g	4,46E+00	3,37E-01	7,85E-01	0	0
<u>\$</u>	RWD	k	g	2,00E-03	4,72E-05	0,00E+00	0	0
In	dicator	Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	5,96E-05	0,00E+00	7,26E-02	-3,94E-04
Ū	NHWD	kg	0	0	5,62E-02	0,00E+00	3,03E-02	-1,98E-01
<b>3</b>	RWD	kg	0	0	7,87E-06	0,00E+00	2,20E-07	-4,39E-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
<b>@&gt;</b>	CRU	kg		0,00E+00	0,00E+00	0,00E+00	0	0
&▷	MFR	kg		4,97E-01	0,00E+00	7,30E-01	0	0
DF	MER	kg		8,54E-01	0,00E+00	1,07E-06	0	0
50	EEE	МЈ		6,64E-01	0,00E+00	4,49E-02	0	0
DB	EET	МЈ		1,00E+01	0,00E+00	6,79E-01	0	0
Indicato	r	Unit	B4	C1	C2	C3	C4	D
<b>@▷</b>	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
\$\	MFR	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
D₹	MER	kg	0	0	0,00E+00	8,57E+00	0,00E+00	0,00E+00
<b>₹</b> D	EEE	MJ	0	0	0,00E+00	6,44E+00	0,00E+00	0,00E+00
D	EET	MJ	0	0	0,00E+00	9,74E+01	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	2,85E+00						
kg C	3,63E-01						
	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, Sweden (kWh)	ecoinvent 3.6	54,94	g CO2-eg/kWh

#### **Dangerous substances**

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

#### **Indoor environment**

No effect on indoor environment.

## **Additional Environmental Information**

#### **Key Environmental Indicators**

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO <sub>2</sub> -eq	1,26	0,46	16,73	16,13
Total energy consumption	MJ	537,46	7,05	546,86	483,56
Amount of recycled materials	%	8,39			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit	Unit			A5	B2	В3
GWPIOBC	kg CO <sub>2</sub> -eq	kg CO <sub>2</sub> -eq			1,27E-02	0	0
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO <sub>2</sub> -eq	0	0	7,65E-02	3,37E+00	8,20E-03	-5,99E-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 <sub>2</sub> -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)		
Embrace tablescreen acoustics 800*650*47	6,03	0,13	336,99	13,01		
Embrace tablescreen acoustics 1000*650*47	7,00	0,64	397,03	11,21		
Embrace tablescreen acoustics 1200*650*47	8,39	0,75	477,36	9,36		
Embrace tablescreen acoustics 1600*650*47	10,32	1,78	597,43	7,60		
Embrace tablescreen acoustics 1800*650*47	11,29	2,29	657,52	6,95		
Embrace tablescreen acoustics 2000*650*47	12,68	2,40	737,87	6,19		

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