

# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

## Tab desk screen 120x65 excl. fabric





The Norwegian EPD Foundation

**Owner of the declaration:** EFG European Furniture Group AB

Product: Tab desk screen 120x65 excl. fabric

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-5267-4598-EN

**Registration number:** 

NEPD-5267-4598-EN

Issue date: 25.10.2023

Valid to: 25.10.2028

**EPD Software:** LCA.no EPD generator ID: 105458



## **General information**

Product Tab desk screen 120x65 excl. fabric

#### Program operator:

Post Box 5250 Majorstuen, 0303 Oslo, Norway The Norwegian EPD Foundation Phone: +47 23 08 80 00 web: post@epd-norge.no

Declaration number: NEPD-5267-4598-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 Tab desk screen 120x65 excl. fabric

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

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

#### Functional unit:

Tab acoustic desk screen

#### 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:**

EFG European Furniture Group AB Contact person: Christer Johansson Phone: e-mail: christer.johansson@efg.se

Manufacturer:

EFG European Furniture Group AB

#### Place of production:

EFG European Furniture Group AB

, Norway

#### Management system:

ISO 14001

#### **Organisation no:**

Issue date: 25.10.2023

Valid to: 25.10.2028

#### Year of study:

2022

#### **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: Christer Johansson

Reviewer of company-specific input data and EPD: Andreas Mattisson

#### Approved:

Håkon Hauan, CEO EPD-Norge

## Product

#### **Product description:**

Acoustic desk screen, indorr

#### **Product specification**

#### Acoustic desk screen

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Metal - Steel	0,34	4,09	0,00	0,00
Plastic - Polyurethane (PUR)	0,37	4,43	0,00	0,00
Wood - Chipboard	7,68	91,48	0,00	0,00
Total	8,40		0,00	
Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Plastic	0,12	100,00	0,00	0,00
Total incl. packaging	8,52		0,00	

#### **Technical data:**

Market:

Scandinavia

#### **Reference service life, product**

15 years

Reference service life, building

### **LCA: Calculation rules**

#### Declared unit:

1 pcs Tab desk screen 120x65 excl. fabric

#### Cut-off criteria:

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

#### Allocation:

The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

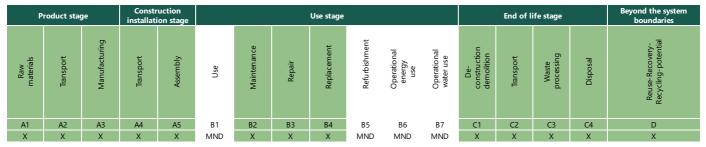
#### Data quality:

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

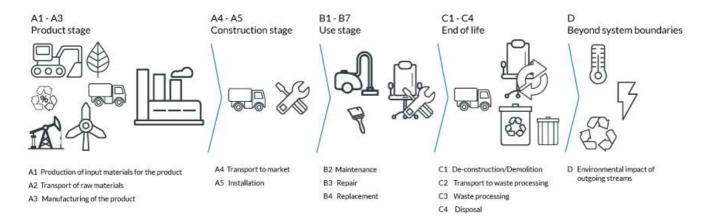
Materials	Source	Data quality	Year
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Wood - Chipboard	ecoinvent 3.6	Database	2019

# e f e

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



#### System boundary:



#### Additional technical information:

Check out www.efg.se for caring instructions

## LCA: Scenarios and additional technical information

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

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 5 (km)	36,7 %	300	0,044	l/tkm	13,20
Assembly (A5)	Unit	Value			
Waste, packaging, plastic film (LDPE), to average treatment - A5 (kg)	kg	0,12			
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 Polyurethane (PU), incineration (kg)	kg	0,37			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	0,34			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	7,68			
Waste, materials to recycling (kg)	kg	0,12			
Disposal (C4)	Unit	Value			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	0,23			
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0,01			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,09			
Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of electricity, in Norway (MJ)	MJ	5,86			
Substitution of primary steel with net scrap (kg)	kg	0,12			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	88,71			

## LCA: Results

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

Indicator         Unit         A1-A3         A4         A5         B2         B3 $\begin{tabular}{ c  }{ c   }{ c   }{ c   }{ c  }{ c   }{ c   }{ c   }{ c   }{ c   }{ c$	Environm	ental impact							
(P)       GWP-fosail       kg CO2-eq       8,52E+00       4,25E+01       9,74E-03       0       0         (P)       GWP-fosail       kg CO2-eq       1,28E+01       1,73E-04       1,34E-06       0       0         (P)       GWP-folgenic       kg CO2-eq       3,15E-08       1,48E-04       7,47E-07       0.0       0         (Q)       GWP-folder       kg CO2-eq       9,96E-07       6,68E-68       5,58E-10       0       0         (Q)       AP       molH+-eq       6,13E-02       1,74E-03       1,20E-05       0       0         (P)       AP       molH+-eq       3,77E-04       3,48E-05       2,00E-08       0       0         (P)       EP-FreshWater       kg N-eq       1,34E-02       5,15E-01       5,00E-03       4,30E-05       0       0         (P)       POCP       kg N-more       kg NMOC-eq       5,32E-02       1,74E-03       4,30E-05       0       0       0         (P)       Morine       kg NMOC-eq       3,34E-02       5,15E-01       5,05E-03       4,05E-05       0       0       0         (P)       MDCP1       (M)       Kg SD-eq       1,40E-04       1,42E-05       0       0       0		Indicator	Unit		A1-A3	A4	A5	B2	B3
Image: Constraint of the section of the sectin of the section of the section of the section of the section o	Þ	GWP-total	kg CO <sub>2</sub> -	eq	-4,27E+00	4,25E-01	9,74E-03	0	0
Image: Comparison of the sector of the	Þ	GWP-fossil	kg CO <sub>2</sub> -	eq	8,52E+00	4,25E-01	9,74E-03	0	0
(☉)       ODP       kg CFC11-eq       9,96E-07       9,69E-07       9,69	Ð	GWP-biogenic	kg CO <sub>2</sub> -	eq	-1,28E+01	1,73E-04	1,34E-06	0	0
$€_{ee}$ AP       mol H+-eq       6, 13E-02       1,74E-03       1,20E-05       0.0 $↔$ EP-FreshWater       kg P-eq       3,77E-04       3,34E-05       2,00E-08       0.0 $↔$ EP-Marine       kg N-eq       1,34E-02       5,15E-04       1,00E-05       0.0       0.0 $↔$ EP-Terrestial       mol N-eq       1,59E-01       5,70E-03       4,30E-05       0.0       0.0 $↔$ POCP       kg NMOC-e       5,32E-02       1,74E-03       1,42E-05       0.0       0.0 $↔$ ADP-minerals&metals <sup>1</sup> kg SD-eq       1,40E-04       1,15E-05       5,19E-08       0.0       0 $↔$ ADP-fossil <sup>1</sup> MJ       1,82E+02       641E-00       402E-02       0       0 $↔$ MOp <sup>-1</sup> Unit       B4       C1       C2       C3       C4       D $↔$ MOP <sup>-1</sup> Unit       B4       C1       C2       C3       C4       D $↔$ MOP <sup>-1</sup> Unit       B4       C1       C2       C3       C4       D $↔$ GWP-10seini       kg C2_c-eq       0       0       <	Ð	GWP-luluc	kg CO <sub>2</sub> -	eq	3,13E-02	1,49E-04	7,47E-07	0	0
↔       EP-FreshWater       kg P-eq       3,77E-04       3,34E-05       2,0E-08       0       0 $↔$ EP-Marine       kg N-eq       1,34E-02       5,1EE-04       1,10E-05       0       0 $↔$ EP-Terrestial       mol N-eq       1,34E-02       5,1EE-04       1,10E-05       0       0 $↔$ POCP       kg NMOC -eq       5,32E-02       1,74E-03       1,42E-05       5,19E-00       0       0 $↔$ ADP-minerals&metals <sup>1</sup> kg Sb-eq       1,40E-04       1,15E-05       5,19E-08       0       0 $↔$ ADP-fosal <sup>1</sup> MJ       1,82E+02       6,11E+00       4,02E-02       0       0 $↔$ MyD <sup>1</sup> MB       1,82E+02       6,11E+00       4,02E-02       0       0 $↔$ MyD <sup>1</sup> Mit       8,04C,2-eq       0       0       1,21E-01       1,40E+01       7,42E-03       6,61E-01 $↔$ GWP-fosal       kg CO <sub>2</sub> -eq       0       0       1,21E-01       1,40E+01       7,42E-03       6,61E-01 $↔$ GWP-fosal       kg CO <sub>2</sub> -eq       0       0       1,21E-01       1,40E+01       7,42E-03       6,	Ò	ODP	kg CFC11	-eq	9,96E-07	9,69E-08	5,85E-10	0	0
Image: Point problem       kg N eq 1       1,34E-02       5,15E-04       1,10E-05       0       0         Image: Point problem       mol N =	( Er	АР	mol H+ -	eq	6,13E-02	1,74E-03	1,20E-05	0	0
Image: Portune tablemol N equ1,59E-015,70E-034,30E-0500Image: Portune table $POCP$ $kg NMVOC -q$ $5,3E-02$ $1,74E-03$ $1,42E-05$ $0$ 0Image: Portune table $ADP-minerals&metab^{-1}$ $kg SD-q$ $1,40E-04$ $1,15E-05$ $5,19E-08$ $0$ 0Image: Portune table $MDP-minerals&metab^{-1}$ $Mg SD-q$ $1,40E+04$ $1,15E-05$ $5,19E-08$ $0$ 0Image: Portune table $MDP-minerals&metab^{-1}$ $Mg SD-q$ $1,40E+04$ $1,42E-01$ $0$ $0$ $0$ Image: Portune table $MDP-minerals&metab^{-1}$ $Mg SD-q$ $Mg SD-q$ $0$ $0$ $1,42E-01$ $0$ $0$ Image: Portune table $MDP-fossil$ $MDP-fossil$ $Mg SD-q$ $0$ $0$ $1,21E-01$ $1,40E+01$ $7,42E-03$ $6,61E-01$ Image: Portune table $GWP-fossil$ $Mg CO_2-eq$ $0$ $0$ $1,20E+01$ $1,42E+03$ $6,61E-01$ Image: Portune table $GWP-fossil$ $Mg CO_2-eq$ $0$ $0$ $4,91E+05$ $1,28E+01$ $1,42E-03$ $6,61E-01$ Image: Portune table $Mg CO_2-eq$ $0$ $0$ $4,91E+05$ $1,28E+01$ $1,38E+00$ $1,38E+00$ $1,38E+00$ $1,38E+00$ Image: Portune table $Mg CO_2-eq$ $0$ $0$ $4,91E+05$ $1,28E+01$ $1,38E+00$ <th></th> <th>EP-FreshWater</th> <th>kg P -e</th> <th>q</th> <th>3,77E-04</th> <th>3,34E-06</th> <th>2,00E-08</th> <th>0</th> <th>0</th>		EP-FreshWater	kg P -e	q	3,77E-04	3,34E-06	2,00E-08	0	0
Mmm       POCP       kg NMVOC -q       5,32E-02       1,74E-03       1,42E-05       0       0         Mmm       Log SD -q       1,04E-04       1,15E-05       5,19E-08       0       0         Mmm       Log SD -q       1,04E-04       1,15E-05       5,19E-08       0       0         Mmm       Log SD -q       M       Laste-02       6,41E+00       4,02E-02       0       0         Mmm       Mmm       Laste-02       6,41E+00       4,02E-02       0       0       0         Mmm       Mmm       Laste-02       6,41E+00       1,42E-01       0.0       0       0         Mmm       Mmm       Mm       Laste-02       6,41E+00       1,42E+03       6,61E-01         Mmm       Mmm       Mmm       B4       C1       C2       C3       C4       D         Mmm       Mg CO2-eq       0       0       1,21E-01       1,40E+01       7,42E-03       6,61E-01         Mm       Mg CO2-eq       0       0       0       2,21E-03       1,53E-06       1,13E-03         Mm       Mg CO2-eq       0       0       0       2,21E-03       1,35E-05       3,35E-05       4,37E-03		EP-Marine	kg N -e	q	1,34E-02	5,15E-04	1,10E-05	0	0
▲DP-minerals&metals1kg Sb -eq1,40E-041,15E-055,19E-0800▲DP-fossi1 $MU$ 1,82E+026,41E+004,02E-0200▲DP-fossi1 $MD^{-1}$ $MM^{-1}$ 3,90E+036,11E+001,42E-0100MUDP1 $MT^{-1}$ B4C1C2C3C4DMICMdg CO2-eq0001,21E-011,40E+017,42E-036,61E+01 $MT^{-1}$ $MT^{-$		EP-Terrestial	mol N -	eq	1,59E-01	5,70E-03	4,30E-05	0	0
$MDP-fossil$ $MU$ $1,82E+02$ $6,41E+00$ $4,02E-02$ $0$ $0$ $MDP^1$ $m^3$ $3,90E+03$ $6,11E+00$ $1,42E-01$ $0$ $0$ $MDP^1$ $Mn^3$ $Mn^3$ $C1$ $C2$ $C3$ $C4$ $DDP^1$ $MDP^1$ $Mn^3$ $Mn^3$ $Mn^3$ $C1$ $C2$ $C3$ $C4$ $DDP^1$ $MDP^1$ $Mn^2$ $Mn^3$ <		POCP	kg NMVOC	C-eq	5,32E-02	1,74E-03	1,42E-05	0	0
	674	ADP-minerals&metals <sup>1</sup>	kg Sb -e	p	1,40E-04	1,15E-05	5,19E-08	0	0
Indicator         Unit         B4         C1         C2         C3         C4         D           ( $)$ GWP-total         kg C02-eq         0         0         1,21E-01         1,40E+01         7,42E-03         -6,61E-01           ( $)$ GWP-fossil         kg C02-eq         0         0         1,20E-01         1,10E+00         7,42E-03         -6,42E-01           ( $)$ GWP-biogenic         kg C02-eq         0         0         4,91E-05         1,29E+01         4,51E-06         -1,13E-03           ( $)$ GWP-biogenic         kg C02-eq         0         0         4,21E-05         2,03E-05         1,53E-06         -1,78E-02           ( $)$ GWP-luluc         kg C02-eq         0         0         4,21E-05         2,03E-05         1,35E-06         -1,78E-02           ( $)$ GWP-luluc         kg CC11-eq         0         0         2,75E-08         1,28E-08         1,33E-09         -3,75E-02           ( $)$ AP         mol H+ -eq         0         0         4,91E-05         1,98E-06         9,09E-08         -5,36E-05           ( $)$ EP-FreshWater         kg P -eq         0         0         1,46E-04         1,06E-03 <t< th=""><th>Ð</th><th>ADP-fossil<sup>1</sup></th><th>MJ</th><th colspan="2">MJ</th><th>6,41E+00</th><th>4,02E-02</th><th>0</th><th>0</th></t<>	Ð	ADP-fossil <sup>1</sup>	MJ	MJ		6,41E+00	4,02E-02	0	0
	<b>%</b>	WDP <sup>1</sup>	m <sup>3</sup>		3,90E+03	6,11E+00	1,42E-01	0	0
Image: Weige of the sector of the s		Indicator	Unit	B4	C1	C2	C3	C4	D
Image: Series of the	P	GWP-total	kg CO <sub>2</sub> -eq	0	0	1,21E-01	1,40E+01	7,42E-03	-6,61E-01
Weiger         GWP-luluc         kg CO2-eq         0         4.21E-05         2.03E-05         1.53E-06         -1.78E-02           ODD         kg CFC11-eq         0         0         2.75E-08         1.28E-08         1.33E-09         -3.75E-02           Omage:         AP         mol H+ eq         0         0         4.92E-04         2.07E-03         3.55E-05         -4.87E-03           Matrix         EP-FreshWater         kg P eq         0         0         9.46E-07         1.89E-06         9.09E-08         -5.36E-05           Matrix         EP-FreshWater         kg N -eq         0         0         9.46E-07         1.89E-06         9.09E-08         -5.36E-05           Matrix         EP-Terrestial         mol N -eq         0         0         1.46E-04         1.06E-03         1.19E-05         -1.52E-03           Matrix         POCP         kg NMVOC -eq         0         0         1.61E-03         1.08E-02         1.33E-04         -1.63E-02           Matrix         ADP-minerals&metals <sup>1</sup> kg Sb -eq         0         0         3.26E-06         5.62E-07         7.23E-08         -7.33E-08           Mutrix         Mutrix         Mutrix         0         0         0         1.6E+00<	P	GWP-fossil	kg CO <sub>2</sub> -eq	0	0	1,20E-01	1,10E+00	7,42E-03	-6,42E-01
$\bigcirc$ ODP       kg CFC11-eq       0       0       2,75E-08       1,28E-08       1,33E-09       -3,75E-02 $\bigcirc$ AP       mol H+ -eq       0       0       4,92E-04       2,07E-03       3,55E-05       -4,87E-03 $\bigcirc$ EP-FreshWater       kg P -eq       0       0       9,46E-07       1,89E-06       9,09E-08       -5,36E-05 $\bigstar$ EP-Marine       kg N -eq       0       0       1,46E-04       1,06E-03       1,19E-05       -1,52E-03 $\bigstar$ EP-Terrestial       mol N -eq       0       0       1,61E-03       1,08E-02       1,33E-04       -1,63E-02 $\bigstar$ ADP-minerals&metals <sup>1</sup> kg Sb -eq       0       0       4,94E-04       2,60E-03       3,7TE-05       -4,7TE-03 $\bigstar$ ADP-minerals&metals <sup>1</sup> kg Sb -eq       0       0       3,26E-06       5,62E-07       7,23E-08       -7,33E-08 $\bigstar$ ADP-fossil <sup>1</sup> MJ       0       0       1,82E+00       1,06E-03       1,04E-01       8,43E+00	P	GWP-biogenic	kg CO <sub>2</sub> -eq	0	0	4,91E-05	1,29E+01	4,51E-06	-1,13E-03
Image: Normal systemAPmol H+-eq004,92E-042,07E-033,55E-05-4,87E-03Image: SystemEP-FreshWaterkg P-eq009,46E-071,89E-069,09E-08-5,36E-05Image: SystemEP-Marinekg N-eq001,46E-041,06E-031,19E-05-1,52E-03Image: SystemEP-Terrestialmol N-eq001,61E-031,08E-021,33E-04-1,63E-02Image: SystemPOCPkg NMVOC-eq004,94E-042,60E-033,77E-05-4,77E-03Image: SystemADP-minerals&metals1kg Sb-eq003,26E-065,62E-077,23E-08-7,33E-06Image: SystemADP-fossil1MJ001,82E+001,16E+001,04E-01-8,43E+00	P	GWP-luluc	kg CO <sub>2</sub> -eq	0	0	4,21E-05	2,03E-05	1,53E-06	-1,78E-02
MethodEP-FreshWaterkg P-eq009,46E-071,89E-069,09E-08-5,36E-05MethodEP-Marinekg N-eq001,46E-041,06E-031,19E-05-1,52E-03MethodEP-Terrestialmol N-eq001,61E-031,08E-021,33E-04-1,63E-02MethodPOCPkg NMVOC-eq004,94E-042,60E-033,77E-05-4,77E-03MethodADP-minerals&metals1kg Sb-eq003,26E-065,62E-077,23E-08-7,33E-06MethodADP-fossil1MJ001,82E+001,16E+001,04E-01-8,43E+00	Ò	ODP	kg CFC11 -eq	0	0	2,75E-08	1,28E-08	1,33E-09	-3,75E-02
Mark         Mark <th< th=""><th>Ê</th><th>АР</th><th>mol H+ -eq</th><th>0</th><th>0</th><th>4,92E-04</th><th>2,07E-03</th><th>3,55E-05</th><th>-4,87E-03</th></th<>	Ê	АР	mol H+ -eq	0	0	4,92E-04	2,07E-03	3,55E-05	-4,87E-03
Image: Constraint of the second sec	÷	EP-FreshWater	kg P -eq	0	0	9,46E-07	1,89E-06	9,09E-08	-5,36E-05
POCP         kg NMVOC-eq         0         4,94E-04         2,60E-03         3,77E-05         -4,77E-03           ADP-minerals&metals <sup>1</sup> kg Sb-eq         0         0         3,26E-06         5,62E-07         7,23E-08         -7,33E-06           ADP-fossil <sup>1</sup> MJ         0         0         1,16E+00         1,04E-01         8,43E+00	æ	EP-Marine	kg N -eq	0	0	1,46E-04	1,06E-03	1,19E-05	-1,52E-03
ADP-minerals&metals1         kg Sb -eq         0         0         3,26E-06         5,62E-07         7,23E-08         -7,33E-06           ADP-fossil1         MJ         0         0         1,82E+00         1,16E+00         1,04E-01         -8,43E+00	÷	EP-Terrestial	mol N -eq	0	0	1,61E-03	1,08E-02	1,33E-04	-1,63E-02
ADP-fossil <sup>1</sup> MJ         0         0         1,82E+00         1,16E+00         1,04E-01         -8,43E+00		РОСР	kg NMVOC -eq	0	0	4,94E-04	2,60E-03	3,77E-05	-4,77E-03
	s.	ADP-minerals&metals <sup>1</sup>	kg Sb -eq	0	0	3,26E-06	5,62E-07	7,23E-08	-7,33E-06
WDP <sup>1</sup> m <sup>3</sup> 0         0         1,73E+00         3,13E+00         5,70E-01         -8,49E+01	Ð	ADP-fossil <sup>1</sup>	MJ	0	0	1,82E+00	1,16E+00	1,04E-01	-8,43E+00
	^		3	0	0	1 725 . 00	2 125 - 00	F 70F 01	0.405.01

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		1,26E-06	3,06E-08	2,16E-10	0	0
()~() B	IRP <sup>2</sup>	kgBq U235 -eq		1,55E+00	2,80E-02	1,82E-04	0	0
<u> A</u>	ETP-fw <sup>1</sup>	CTUe		2,69E+02	4,72E+00	3,83E-02	0	0
40.* *****	HTP-c <sup>1</sup>	CTUh		3,05E-08	0,00E+00	1,00E-12	0	0
48 E	HTP-nc <sup>1</sup>	CTUh		1,46E-07	5,10E-09	3,60E-11	0	0
	SQP <sup>1</sup>	dimensionless	dimensionless		4,42E+00	7,01E-02	0	0
h	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	8,67E-09	1,58E-08	5,50E-10	-2,67E-07
()**) B	IRP <sup>2</sup>	kgBq U235 -eq	0	0	7,94E-03	2,08E-03	4,48E-04	-4,65E-02
	ETP-fw <sup>1</sup>	CTUe	0	0	1,34E+00	4,16E+00	1,16E-01	-4,71E+01
40. * *****	HTP-c <sup>1</sup>	CTUh	0	0	0,00E+00	3,47E-10	5,00E-12	-1,35E-09
8° B	HTP-nc <sup>1</sup>	CTUh	0	0	1,45E-09	1,60E-08	1,81E-10	-2,50E-08
6	SQP <sup>1</sup>	dimensionless	0	0	1,25E+00	1,57E-01	2,70E-01	-4,93E+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.

# e f e

Resource use									
	Indicator		Un	nit	A1-A3	A4	A5	B2	B3
i. D	PERE		М	IJ	5,42E+01	9,04E-02	1,01E-03	0	0
æ	PERM		М	IJ	6,84E+01	0,00E+00	0,00E+00	0	0
×,	PERT		М	IJ	1,23E+02	9,04E-02	1,01E-03	0	0
E)	PENRE		М	IJ	1,64E+02	6,41E+00	4,02E-02	0	0
Å	PENRM		М	IJ	1,66E+01	0,00E+00	-5,22E+00	0	0
IA	PENRT		М	IJ	1,81E+02	6,41E+00	-5,18E+00	0	0
	SM		kg	g	0,00E+00	0,00E+00	0,00E+00	0	0
1	RSF		М	IJ	3,14E-01	3,24E-03	2,66E-05	0	0
Ū.	NRSF		М	IJ	8,82E-01	1,16E-02	6,96E-05	0	0
(%)	FW		m	3	2,07E-01	6,75E-04	2,12E-05	0	0
	ndicator	Unit	it	B4	C1	C2	C3	C4	D
i i i i i i i i i i i i i i i i i i i	ndicator PERE	<b>Unit</b> MJ		B4 0	C1 0	C2 2,56E-02	C3 3,60E-02	C4 3,66E-03	D -4,55E+01
			J						
î, Se	PERE	MJ	I	0	0	2,56E-02	3,60E-02	3,66E-03	-4,55E+01
ir Və Ma	PERE	M)	)   	0 0	0	2,56E-02 0,00E+00	3,60E-02 -6,84E+01	3,66E-03 0,00E+00	-4,55E+01 0,00E+00
्र दिव र्द्र	PERE PERM PERT	LM MJ MJ	) ) )	0 0 0	0 0 0	2,56E-02 0,00E+00 2,56E-02	3,60E-02 -6,84E+01 -6,83E+01	3,66E-03 0,00E+00 3,66E-03	-4,55E+01 0,00E+00 -4,55E+01
्ट्र 23 ्रह्य स्ट्रि	PERE PERM PERT PENRE	۲ ۲ ۲ ۲ ۲ ۲ ۲	) ) ) )	0 0 0 0	0 0 0 0	2,56E-02 0,00E+00 2,56E-02 1,82E+00	3,60E-02 -6,84E+01 -6,83E+01 1,16E+00	3,66E-03 0,00E+00 3,66E-03 1,04E-01	-4,55E+01 0,00E+00 -4,55E+01 -8,43E+00
ی ج ج ب ب ب ب ب ب ب ب ب ب ب ب ب ب ب ب ب	PERE PERM PERT PENRE PENRM	۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	) ) ) ) )	0 0 0 0	0 0 0 0 0 0 0 0	2,56E-02 0,00E+00 2,56E-02 1,82E+00 0,00E+00	3,60E-02 -6,84E+01 -6,83E+01 1,16E+00 -1,14E+01	3,66E-03 0,00E+00 3,66E-03 1,04E-01 0,00E+00	-4,55E+01 0,00E+00 -4,55E+01 -8,43E+00 0,00E+00
	PERE PERM PERT PENRE PENRM PENRT	لام درم درم درم درم		0 0 0 0 0 0	0 0 0 0 0	2,56E-02 0,00E+00 2,56E-02 1,82E+00 0,00E+00 1,82E+00	3,60E-02 -6,84E+01 -6,83E+01 1,16E+00 -1,14E+01 -1,03E+01	3,66E-03 0,00E+00 3,66E-03 1,04E-01 0,00E+00 1,04E-01	-4,55E+01 0,00E+00 -4,55E+01 -8,43E+00 0,00E+00 -8,43E+00
	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 0 0	2,56E-02 0,00E+00 2,56E-02 1,82E+00 0,00E+00 1,82E+00 0,00E+00	3,60E-02 -6,84E+01 -6,83E+01 1,16E+00 -1,14E+01 -1,03E+01 0,00E+00	3,66E-03 0,00E+00 3,66E-03 1,04E-01 0,00E+00 1,04E-01 0,00E+00	-4,55E+01 0,00E+00 -4,55E+01 -8,43E+00 0,00E+00 -8,43E+00 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; version of non renewable primary energy excluding non-renewable primary energy resources; version of non renewable primary energy resources; version of non renewable primary energy resources; version of non renewable primary energy resources; version of secondary materials; version of secondary materials; version of secondary materials; version of secondary materials; version of renewable primary energy resources; version of secondary materials; version of renewable primary energy resources; version of secondary materials; version of the version of

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

End of life - Waste	End of life - Waste									
	Indicator		U	nit	A1-A3	A4	A5	B2	B3	
Â	HWD	HWD		g	2,48E-02	3,27E-04	0,00E+00	0	0	
Ū	NHWD		kg		1,67E+00	3,06E-01	1,23E-01	0	0	
æ	RWD	kg		9,52E-04	4,37E-05	0,00E+00	0	0		
In	dicator		Unit	B4	C1	C2	C3	C4	D	
à	HWD		kg	0	0	9,26E-05	0,00E+00	3,00E-01	-1,01E-03	
Ū	NHWD		kg	0	0	8,68E-02	0,00E+00	3,62E-02	-2,26E-01	
2	RWD		kg	0	0	1,24E-05	0,00E+00	5,91E-07	-3,82E-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								
Indie	cator		Unit	A1-A3	A4	A5	B2	B3
$\langle \phi \rangle$	CRU		kg	0,00E+00	0,00E+00	0,00E+00	0	0
	MFR		kg	0,00E+00	0,00E+00	6,28E-02	0	0
DF	MER		kg	0,00E+00	0,00E+00	6,15E-06	0	0
₹D	EEE		МЈ		0,00E+00	9,45E-06	0	0
DI	EET		MJ		0,00E+00	1,43E-04	0	0
Indicator	r	Unit	B4	C1	C2	C3	C4	D
$\otimes $	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
430	MFR	kg	0	0	0,00E+00	1,16E-01	0,00E+00	0,00E+00
Þ₽	MER	kg	0	0	0,00E+00	8,40E+00	0,00E+00	0,00E+00
۶D	EEE	MJ	0	0	0,00E+00	5,87E+00	0,00E+00	0,00E+00
	EET	MJ	0	0	0,00E+00	8,89E+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

Indicator	Unit	At the factory gate						
Biogenic carbon content in product	kg C	4,23E+00						
Biogenic carbon content in accompanying packaging	kg C	0,00E+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	Data source	Amount	Unit
Electricity, Sweden (kWh)	ecoinvent 3.6	54,94	g CO2-eq/kWh

#### **Dangerous substances**

The product contains substances given by the REACH Candidate list that are less than 0,1 % by weight.

#### 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	-4,27	0,43	10,31	9,65
Total energy consumption	MJ	219,36	6,51	229,09	172,58
Amount of recycled materials	%	0,00			

Additional environmental impact indicators required in NPCR Part A for construction products								
Indicator	Unit		A1-A3	A4	A5	B2	B3	
GWPIOBC	kg CO <sub>2</sub> -eq	kg CO <sub>2</sub> -eq		4,25E-01	0,00E+00	0	0	
Indicator	Unit	B4	C1	C2	C3	C4	D	
GWPIOBC	kg CO <sub>2</sub> -eq	0	0	1,21E-01	1,10E+00	7,61E-03	-7,17E-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 (%)		
Tab desk screen 120x65 incl. brackets fabric 100% polyester	8,90	-1,87	254,43	0,09		
Tab desk screen 120x65 incl. brackets fabric 100% wool	8,90	18,22	342,72	0,00		
Tab desk screen 140x65 incl. brackets excl. fabric	10,58	-5,26	245,30	0,00		
Tab desk screen 140x65 incl. brackets fabric 100% polyester	10,58	-2,45	286,28	0,09		
Tab desk screen 140x65 incl. brackets fabric 100% wool	10,58	21,27	390,74	0,00		
Tab desk screen 160x65 incl. brackets excl. fabric	11,20	-6,20	270,27	0,00		
Tab desk screen 160x65 incl. brackets fabric 100% polyester	11,75	-2,99	317,18	0,09		
Tab desk screen 160x65 incl. brackets fabric 100% wool	11,75	24,03	436,05	0,00		
Tab desk screen 180x65 incl. brackets excl. fabri	12,55	-7,17	295,70	0,00		
Tab desk screen 180x65 incl. brackets fabric 100% polyester	13,16	-3,54	348,68	0,09		
Tab desk screen 180x65 incl. brackets fabric 100% wool	13,16	26,83	482,12	0,00		
Tab desk screen 200x65 incl. brackets excl. fabric	14,00	-7,72	325,71	0,00		
Tab desk screen 200x65 incl. brackets fabric 100% polyester	14,73	-3,70	384,49	0,09		
Tab desk screen 200x65 incl. brackets fabric 100% wool	14,73	29,94	532,30	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.

Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21 Ruud et al., (2023) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 01.23

NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge. NPCR 026 Part B for Furniture. Ver. 2.0 March 2022, EPD-Norge.

	Program operator and publisher	Phone: +47 23 08 80 00
	The Norwegian EPD Foundation	e-mail: post@epd-norge.no
	Post Box 5250 Majorstuen, 0303 Oslo, Norway	web: www.epd-norge.no
	Owner of the declaration:	Phone:
<b>ef</b>	EFG European Furniture Group AB	e-mail: christer.johansson@efg.s
	1	web: https://www.efg.se
$\bigcirc$	Author of the Life Cycle Assessment	Phone: +47 916 50 916
	LCA.no AS	e-mail: post@lca.no
.no	Dokka 6B, 1671	web: www.lca.no
$\bigcirc$	Developer of EPD generator	Phone: +47 916 50 916
	LCA.no AS	e-mail: post@lca.no
no	Dokka 6B,1671 Kråkerøy	web: www.lca.no
ECO PLATFORM	ECO Platform	web: www.eco-platform.org
	ECO Portal	web: ECO Portal