

Environmental Product Declaration



In accordance with ISO 14025 and Product Category Rules for Furniture

ScreenIT A30

From Götessons Industri AB

GÖTESSONS

Programme:	The International EPD® System, www.environdec.com
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An EPD should provide current information, and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com.



Programme information

Programme:	The International EPD [®] System EPD International AB Box 210 60 SE-100 31 Stockholm Sweden www.environdec.com info@environdec.com
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Accountabilities for PCR, LCA and independent, third-party verification
Product Category Rules (PCR)
PCR: Furniture, except seats and mattresses, 2012:19, Version 2.01, UN CPC 3812
PCR review was conducted by: Gorka Benito Alonso from The Technical Committee of the International EPD [®] System, www.environdec.com
Life Cycle Assessment (LCA)
LCA accountability: Alva Helin and Sara Hidendahl, Trossa AB
Third-party verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via: <input checked="" type="checkbox"/> EPD verification by individual verifier Third-party verifier: Martyna Mikusinska, Martyna.Mikusinska@sweco.se Sweco Approved by: The International EPD [®] System
Procedure for follow-up of data during EPD validity involves third-party verifier: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>[Procedure for follow-up the validity of the EPD is at minimum required once a year with the aim of confirming whether the information in the EPD remains valid or if the EPD needs to be updated during its validity period. The follow-up can be organized entirely by the EPD owner or together with the original verifier via an agreement between the two parties. In both approaches, the EPD owner is responsible for the procedure being carried out. If a change that requires an update is identified, the EPD shall be re-verified by a verifier]</small>

The EPD owner has the sole ownership, liability, and responsibility of the EPD. EPDs within the same product category but from different programmes may not be comparable.

Company information

Owner of the EPD

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Description of the organisation

Götessons Industri AB was founded in Dalstorp, Sweden in 1984 as an independent company and is now a part of Götessons Design Group. Götessons develop and manufacture furniture and interior products. Acoustics is an important feature in Götesson's interior design concept, and their sound-absorbing range is common in offices, conferences, hotels, and schools. These uses are also the main target groups for sales and advertisement. With Europe as their main market, Götessons ensures ergonomic, functional, and well-designed solutions for all customers. Götessons have product-related and management system-related certifications; the Nordic Swan Ecolabel for furniture and furnishings, ISO 9001, and ISO 14001. See more information about Götessons at <https://gotessons.com/en/>.

Name and location of production site: Brigo Polska Sp. z o.o., Wolsztyńska 75 Rostarzewo, Poland.

Product information

Product name and description: ScreenIT A30 is a sound absorbing screen, mainly used on desks or as space dividers in open office landscapes. It is available in a broad variety of fabric textures, colours, and sizes and can be further customized with different zipper designs and decorative stitches. The estimated lifetime of the product is 15 years, but refurbishment and reuse of the product is encouraged. The EPD covers models of ScreenIT A30 with the specific dimensions 1600x650 mm, with woven fabric variations made from 100 % virgin polyester.

UN CPC code: UN CPC 3812

Geographical scope: The product is globally available, but the model for transports and waste management is based on the European scenario, which reflects Götessons' main market.

LCA information

Declared unit: The declared unit is one ScreenIT A30 screen in the dimensions 1600x650 mm.

Time representativeness: Site specific data for raw materials, transportation and energy consumption in the manufacturing processes are from 2022 and has been represented with ecoinvent datasets. Other data have been represented by generic ecoinvent data. The background data from ecoinvent v. 3.8 are from 2016-2020.

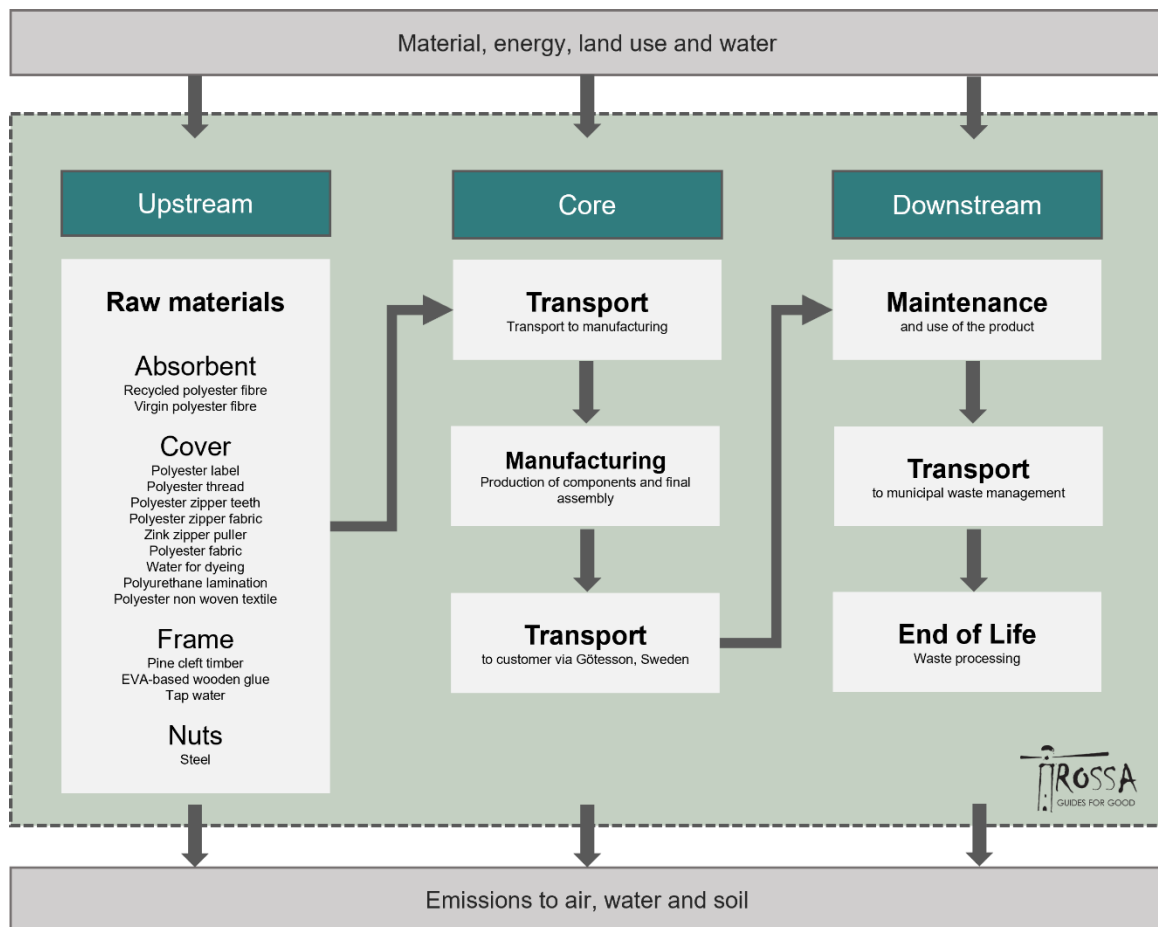
Database(s) and LCA software used: ecoinvent v. 3.8 and SimaPro 9.3.

LCA results: The results of the EPD are based on "Trossa Götessons ScreenIT A30 LCA Report".

System boundary and system diagram

The EPD follows the impact of the declared unit from a cradle to grave perspective, including all processes from raw material extraction to waste processing and disposal of the product.

No lifecycle stages have been excluded from the system boundary. However, use stage and maintenance of the product does not have any environmental impact. Furthermore, module D is not declared. The declaration of module D is optional according to PCR. The illustration of the system boundary below presents the included assemblies of the product, their constituent materials, the processes, and the transportation of the product divided into the life cycle stages, as well as inputs and outputs of the system as elementary flows.



Content declaration

The following table presents all materials and chemical substances of the screen and its packaging, along with the total weight and the percentage of each material/chemical substance, including substances of very high concern. The materials of the product and packaging components are summed up by type of material.

Materials / chemical substances in product	Weight [kg]	%
Product		
Polyester (PET)	1,656	24,89 %
Pine	4,550	68,39 %
Ethylene vinyl acetate copolymer (PVAc) + water in a 50/50 ratio	0,005	0,08 %
Zinc	0,004	0,06 %
Polyurethane (PUR)	0,396	5,95 %
Steel (Galvanized)	0,042	0,63 %
Packaging		
Corrugated cardboard	0,16	1,95 %
Spruce wood	1,346	16,44 %
Polyethylene (PE)	0,0216	0,26 %
Steel	0,0051	0,06 %
Polypropylene (PP)	0,0001	0,00 %
Polyvinyl chloride (PVC)	0,0007	0,01 %
<i>No substances included in the Candidate List of SVHC (Substances of Very High Concern) for authorization under the REACH regulations are exceeding 0,1 wt % in any material.</i>		

Recycled material

One of the components of the product consists of a share of recycled material. This component is the absorbent which is made from polyester fibre. The total weight of the absorbent is 0,9349 kg, and the absorbent is made with 75 % recycled polyester fibre, making it 0,70125 kg. The recycled polyester fibre stands for 10,54 % of the total product weight, excluding packaging. There are no recycled materials in the packaging.

Packaging

ScreenIT A30 is shipped with all packaging materials presented in the table above from the assembly of final product to the consumer, with a time of storage at Götessons warehouse in Ulricehamn. Therefore, consumer packaging is the same as distribution packaging. Götessons main consumers are companies, who usually buy a variety of products which are transported in bulk on a wooden pallet, specifically adjusted to the size of the order.

Environmental performance

Potential environmental impact

PARAMETER		UNIT	Upstream	Core	Downstream	TOTAL
Global warming potential (GWP)	Fossil	kg CO ₂ eq.	7,86E+00	8,63E+00	3,81E+00	2,03E+01
	Biogenic	kg CO ₂ eq.	-1,05E+01	1,10E-01	1,12E+01	7,69E-01
	Land use and land transformation	kg CO ₂ eq.	1,14E-02	5,48E-03	9,34E-05	1,69E-02
	TOTAL	kg CO ₂ eq.	-2,63E+00	8,74E+00	1,50E+01	2,11E+01
Ozone layer depletion (ODP)		kg CFC 11 eq.	1,50E-05	1,03E-06	6,23E-08	1,61E-05
Acidification potential (AP)		mol H ⁺ eq.	3,71E-02	5,94E-02	6,09E-03	1,03E-01
Eutrophication potential (EP)	Aquatic freshwater	kg P eq.	1,78E-03	2,25E-03	6,71E-05	4,10E-03
	Aquatic marine	kg N eq.	8,85E-03	1,19E-02	3,66E-03	2,44E-02
	Aquatic terrestrial	mol N eq.	7,89E-02	1,25E-01	3,07E-02	2,34E-01
Photochemical oxidant creation potential (POCP)		kg NMVOC eq.	3,08E-02	3,67E-02	8,05E-03	7,55E-02
Abiotic depletion potential (ADP)	Metals and minerals	kg Sb eq.	6,07E-05	2,59E-05	8,95E-07	8,74E-05
	Fossil resources	MJ, net calorific value	1,40E+02	1,24E+02	4,31E+00	2,68E+02
Water deprivation potential (WDP)		m ³ world eq. deprived	4,34E+00	-1,01E-01	7,99E-02	4,32E+00

Use of resources

PARAMETER		UNIT	Upstream	Core	Downstream	TOTAL
Primary energy resources – Renewable	Use as energy carrier	MJ, net calorific value	3,90E+00	4,50E+00	6,28E-02	8,46E+00
	Used as raw materials	MJ, net calorific value	1,24E+02	1,55E+00	2,05E-02	1,26E+02
	TOTAL	MJ, net calorific value	1,28E+02	6,05E+00	8,33E-02	1,34E+02
Primary energy resources – Non-renewable	Use as energy carrier	MJ, net calorific value	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Used as raw materials	MJ, net calorific value	1,50E+02	1,33E+02	4,64E+00	2,87E+02
	TOTAL	MJ, net calorific value	1,50E+02	1,33E+02	4,64E+00	2,87E+02
Secondary material		kg	7,01E-01	0,00E+00	0,00E+00	7,01E-01

Renewable secondary fuels	MJ, net calorific value	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non-renewable secondary fuels	MJ, net calorific value	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m ³	1,82E-02	4,84E-02	1,39E-04	6,67E-02

Waste production

PARAMETER	UNIT	Upstream	Core	Downstream	TOTAL
Hazardous waste disposed	kg	3,85E-03	9,88E-03	1,21E-05	1,37E-02
Non-hazardous waste disposed	kg	1,03E+00	2,64E+00	2,54E-01	3,92E+00
Radioactive waste disposed	kg	1,61E-04	3,65E-04	1,87E-05	5,45E-04

Output flows

PARAMETER	UNIT	Upstream	Core	Downstream	TOTAL
Components for reuse	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ, net calorific value	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal	MJ, net calorific value	0,00E+00	0,00E+00	0,00E+00	0,00E+00

Other environmental indicators

PARAMETER	UNIT	Upstream	Core	Downstream	TOTAL
Human toxicity, cancer impacts cases	Cases	6,08E-09	1,32E-08	2,38E-09	2,17E-08
Human toxicity, non-cancer impacts cases	Cases	1,21E-07	9,27E-08	1,43E-08	2,28E-07
Fresh water ecotoxicity	PAF.m3.day	2,22E+02	2,03E+02	8,41E+00	4,34E+02
Land use	Species.yr	7,39E+02	3,79E+01	8,80E-01	7,78E+02
Ionising radiation	kBq U-235 eq	3,15E-01	5,15E-01	1,60E-02	8,47E-01
Particulate matter	disease inc.	5,57E-07	3,89E-07	5,04E-08	9,97E-07

Additional information

ScreenIT A30 holds product certifications Nordic Swan Ecolabel and Möbelfakta by Möbelfakta Sverige AB.

Götessons Industri AB has an implemented reuse system, called Loop by Götessons. Used products can be sent back to Götessons for restoring or upcycling. ScreenIT A30 is designed with few components and can easily be disassembled which means that many components can be reused for a new product. Loop by Götessons contributes with a lower environmental impact in module D (Reuse-recovery-recycling potential), although this module has not been included in the EPD.

References

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