

# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Revise of ID 1268513 Slits Paper Bin 30L - Article number 410.600.010



**Paper Bin 30L**  
Art nr. 410.600.010



**Paper Bin 50L**  
Art nr. 410.600.013



**Paper Bin 70L**  
Art nr. 410.600.011

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MADE IN SWEDEN

EPD-Global

**Owner of the declaration:**

Svedholm Design AB

**Product:**

Revise of ID 1268513 Slits Paper Bin 30L - Article number 410.600.010

**Declared unit:**

1 pcs

**This declaration is based on Product Category Rules:**

CEN Standard EN 15804:2012+A2:2019 serves as core PCR  
NPCR 026:2024 Part B for Furniture

**Program operator:**

EPD-Global

**Declaration number:**

NEPD-14291-14699

**Issue date:**

02.12.2025

**Latest revision**

v Date: 28.11.2025

**Valid to:**

02.12.2030

**EPD software:**

LCAno EPD generator ID: 1344170

## General information

### Product

Revise of ID 1268513 Slits Paper Bin 30L - Article number 410.600.010

### Program operator:

EPD-Global  
Post Box 5250 Majorstuen, 0303 Oslo, Norway  
Phone: +47 977 22 020  
web: [www.epd-global.com](http://www.epd-global.com)

### Declaration number:

NEPD-14291-14699

### This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR  
NPCR 026:2024 Part B for Furniture

### Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD-Global shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

### Declared unit:

1 pcs Revise of ID 1268513 Slits Paper Bin 30L - Article number 410.600.010

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

A1-A3, A4, A5, C1, C2, C3, C4, D

### Functional unit:

This Paper Bin 30L is one of our many products from our bathroom accessory collection SLITS. It's made of powder coated steel providing a long-life cycle.

### 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-Global'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-Global, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Global'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 EPD-Global'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:

Svedholm Design AB  
Contact person: Jan Svedholm  
Phone: +46 10 190 20 80  
e-mail: [jan@svedholm.se](mailto:jan@svedholm.se)

### Manufacturer:

Svedholm Design AB

### Place of production:

Svedholm Design AB  
Örbygatan 5  
753 24 Uppsala, Sweden

### Management system:

### Organisation no:

556640-1716

### Issue date:

02.12.2025

### Valid to:

02.12.2030

### Year of study:

2024

### Comparability:

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

### Development and verification of EPD:

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD-Global.

Developer of EPD: Simone Svedholm

Reviewer of company-specific input data and EPD: Jan Svedholm

### Approved:



Håkon Hauan, CEO EPD-Global

## Product

### Product description:

The Paper Bin 30L is one of many products from our bathroom accessory collection SLITS and is produced for the contract market. Its sharp, timeless, high-quality design qualifies for spaces and interiors that last. It's produced in long lasting materials being a long-term sustainable choice. Slits paper bin 30 L is covered by our return deposit scheme. All colours are available upon request. Adapted for bin liners 510 x 570 mm 30 liters.

<https://www.svedholm.se/en/serie/slits>

### Product specification

Material:

Cold roled steel sheet

Surface treatment:

Powder coating

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Metal - Stainless steel	0.009	0.149	0.00197	21.89
Metal - Steel	5.90	97.65	0.7965	13.50
Powder coating	0.133	2.20	0.00	0.00
Total	6.04	100.00	0.80	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Foam sheet	0.01	2.70	0.00	0.00
Packaging - Wood	0.36	97.30	0.00	0.00
Total incl. packaging	6.41	100.00	0.80	

### Technical data:

Dimensions:

Height 418 mm

Width 262 mm

Depth 163 mm

[https://www.svedholm.se/media/pages/produkter/accessoarer/slits-papperskorg/1058b2ac07-1655727376/slits\\_paper\\_bin\\_en\\_220309.pdf](https://www.svedholm.se/media/pages/produkter/accessoarer/slits-papperskorg/1058b2ac07-1655727376/slits_paper_bin_en_220309.pdf)

### Market:

Scandinavia

### Reference service life, product

Expected lifetime is 15 years, provided proper installation and ambient humidity and temperature.

### Reference service life, building

## LCA: Calculation rules

### Declared unit:

1 pcs Revise of ID 1268513 Slits Paper Bin 30L - Article number 410.600.010

### 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:

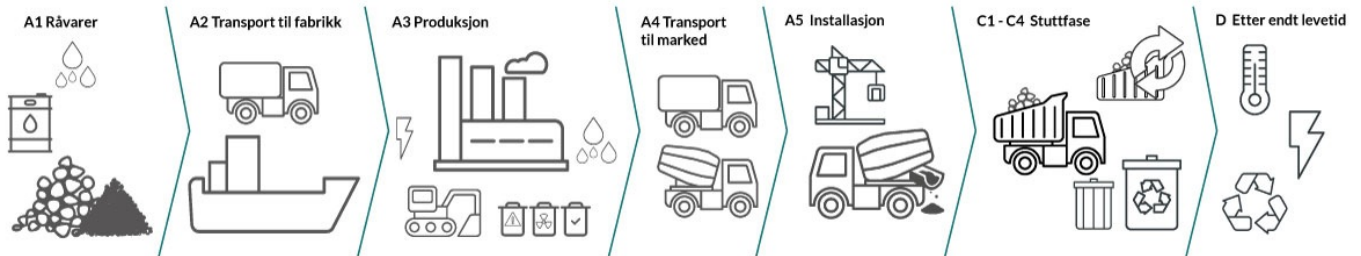
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other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

Materials	Source	Data quality	Year
Metal - Stainless steel	ecoinvent 3.6	Database	2019
Metal - Steel	EPDVOE20220069IBA1EN	EPD	2019
Packaging - Foam sheet	ecoinvent 3.6	Database	2019
Packaging - Wood	Modified ecoinvent 3.6	Database	2019
Powder coating	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	Re-use-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	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X

**System boundary:**



**Additional technical information:**

Maintenance and service guides:

[https://www.svedholm.se/media/pages/produkter/accessoarer/slits-papperskorg/8487f7d8ac-1680695492/svedholm\\_en\\_maintenance\\_slits-paper-bin\\_2023-03-21.pdf](https://www.svedholm.se/media/pages/produkter/accessoarer/slits-papperskorg/8487f7d8ac-1680695492/svedholm_en_maintenance_slits-paper-bin_2023-03-21.pdf)

## LCA: Scenarios and additional technical information

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

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


Usage scenario assumes no repair or replacement and minimal maintenance during the 15 year lifespan of the product, as materials and surface treatments are selected to require servicing during lifetime of product. The installation location is assumed to be within Sweden.

Reparation, replacement , and refurbishment are possible, please contact Svedholm Design for further information for possible solutions.

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 %	426.00	0.043	l/tkm	18.32
Assembly (A5)					
Waste, packaging, pallet, EUR wooden pallet, reusable, average treatment (kg)	Unit	Value			
Waste, packaging, pallet, EUR wooden pallet, reusable, average treatment (kg)	kg	0.36			
Waste, packaging, LDPE, foam sheet, to average treatment (kg) - A5, inkl. 85 km transp.	kg	0.01			
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 %	30.00	0.043	l/tkm	1.29
Waste processing (C3)					
Waste, materials to recycling (kg)	Unit	Value			
Waste, materials to recycling (kg)	kg	2.00			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	5.91			
Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg)	kg	0.133			
Disposal (C4)					
Landfilling of ashes and residues from incineration of Scrap steel (kg)	Unit	Value			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	3.90			
Landfilling of ashes from incineration of Non-hazardous waste, process per kg ashes and residues - C4 (kg)	kg	0.03156			
Benefits and loads beyond the system boundaries (D)					
Substitution of primary steel with net scrap (kg)	Unit	Value			
Substitution of primary steel with net scrap (kg)	kg	1.21			
Substitution of electricity (MJ)	MJ	0.07903			
Substitution of thermal energy, district heating (MJ)	MJ	1.20			

## 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	C1	C2	C3	C4	D	
 GWP-total	kg CO <sub>2</sub> -eq	1.52E+01	4.47E-01	5.47E-01	0	3.14E-02	3.40E-01	4.20E-02	-1.34E+00	
 GWP-fossil	kg CO <sub>2</sub> -eq	1.57E+01	4.46E-01	1.28E-03	0	3.14E-02	3.39E-01	4.19E-02	-1.34E+00	
 GWP-biogenic	kg CO <sub>2</sub> -eq	-5.03E-01	1.85E-04	5.46E-01	0	1.30E-05	5.82E-04	3.18E-05	-7.47E-04	
 GWP-luluc	kg CO <sub>2</sub> -eq	3.02E-02	1.59E-04	1.85E-07	0	1.12E-05	1.33E-05	1.30E-05	-8.34E-04	
 ODP	kg CFC11 -eq	3.76E-07	1.01E-07	1.25E-10	0	7.12E-09	4.71E-09	1.34E-08	-5.05E-04	
 AP	mol H+ -eq	4.39E-02	1.28E-03	4.87E-06	0	9.03E-05	2.48E-04	3.04E-04	-6.66E-03	
 EP-FreshWater	kg P -eq	1.18E-04	3.56E-06	7.44E-09	0	2.51E-07	1.13E-06	4.11E-07	-8.24E-05	
 EP-Marine	kg N -eq	7.93E-03	2.54E-04	2.56E-06	0	1.79E-05	9.26E-05	1.09E-04	-1.39E-03	
 EP-Terrestrial	mol N -eq	8.71E-02	2.84E-03	2.14E-05	0	2.00E-04	9.92E-04	1.20E-03	-1.42E-02	
 POCP	kg NMVOC -eq	2.83E-02	1.09E-03	5.75E-06	0	7.66E-05	2.95E-04	3.46E-04	-6.71E-03	
 ADP-minerals&metals <sup>1</sup>	kg Sb-eq	5.31E-05	1.23E-05	1.21E-08	0	8.68E-07	2.70E-07	7.49E-07	-2.30E-05	
 ADP-fossil <sup>1</sup>	MJ	1.86E+02	6.75E+00	8.96E-03	0	4.75E-01	3.36E-01	9.88E-01	-1.13E+01	
 WDP <sup>1</sup>	m <sup>3</sup>	4.52E+03	6.53E+00	2.03E-02	0	4.60E-01	9.10E-02	1.79E+00	6.77E+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<sup>-3</sup> = 0.009"

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	C1	C2	C3	C4	D	
 PM	Disease incidence	1.01E-07	2.73E-08	6.60E-11	0	1.92E-09	1.05E-08	5.61E-09	-1.14E-07	
 IRP <sup>2</sup>	kgBq U235 -eq	1.59E+00	2.95E-02	3.54E-05	0	2.08E-03	1.04E-03	3.94E-03	4.14E-03	
 ETP-fw <sup>1</sup>	CTUe	6.10E+01	5.00E+00	9.60E-03	0	3.52E-01	3.08E+00	5.60E-01	-7.46E+01	
 HTP-c <sup>1</sup>	CTUh	3.74E-09	0.00E+00	1.00E-12	0	0.00E+00	3.03E-10	1.90E-11	-6.40E-09	
 HTP-nc <sup>1</sup>	CTUh	4.62E-08	5.46E-09	3.80E-11	0	3.85E-10	1.91E-09	5.04E-10	1.38E-07	
 SQP <sup>1</sup>	dimensionless	4.40E+01	4.72E+00	8.89E-03	0	3.32E-01	8.17E-02	2.13E+00	-1.50E+00	

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<sup>-3</sup> = 0.009"

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	C1	C2	C3	C4	D	
 PERE	MJ	3.16E+01	9.66E-02	1.99E-04	0	6.80E-03	1.93E-02	1.76E-02	-1.52E+00	
 PERM	MJ	5.00E+00	0.00E+00	-5.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
 PERT	MJ	3.66E+01	9.66E-02	-5.00E+00	0	6.80E-03	1.93E-02	1.76E-02	-1.52E+00	
 PENRE	MJ	1.86E+02	6.75E+00	8.96E-03	0	4.75E-01	3.50E-01	9.89E-01	-1.13E+01	
 PENRM	MJ	4.25E-01	0.00E+00	-4.25E-01	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
 PENRT	MJ	1.87E+02	6.75E+00	-4.16E-01	0	4.75E-01	3.50E-01	9.89E-01	-1.13E+01	
 SM	kg	8.46E-01	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
 RSF	MJ	2.10E-01	3.45E-03	5.57E-06	0	2.43E-04	4.01E-04	4.68E-04	4.79E-02	
 NRSF	MJ	2.96E-01	1.24E-02	4.45E-05	0	8.70E-04	0.00E+00	2.22E-02	1.36E+00	
 FW	m <sup>3</sup>	1.03E-01	7.21E-04	5.87E-06	0	5.08E-05	3.88E-04	8.91E-04	-3.53E-03	






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<sup>-3</sup> = 0.009"

End of life - Waste										
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	
 HWD	kg	1.48E-02	3.48E-04	0.00E+00	0	2.45E-05	0.00E+00	3.91E+00	-6.91E-03	
 NHWD	kg	1.26E+00	3.28E-01	2.80E-02	0	2.31E-02	1.33E-01	2.61E-02	-5.46E-01	
 RWD	kg	1.53E-03	4.60E-05	0.00E+00	0	3.24E-06	0.00E+00	6.11E-06	3.15E-06	

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

"Reading example: 9.0 E-03 = 9.0\*10<sup>-3</sup> = 0.009"

End of life - Output flow										
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	
 CRU	kg	0.00E+00	0.00E+00	3.42E-01	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
 MFR	kg	3.69E-01	0.00E+00	5.10E-03	0	0.00E+00	2.00E+00	0.00E+00	0.00E+00	
 MER	kg	2.87E-02	0.00E+00	1.79E-02	0	0.00E+00	6.04E+00	0.00E+00	0.00E+00	
 EEE	MJ	1.70E-02	0.00E+00	1.24E-02	0	0.00E+00	1.64E-01	0.00E+00	0.00E+00	
 EET	MJ	2.58E-01	0.00E+00	1.88E-01	0	0.00E+00	2.48E+00	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<sup>-3</sup> = 0.009"

Biogenic Carbon Content		
Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	0.00E+00
Biogenic carbon content in accompanying packaging	kg C	1.49E-01

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO<sub>2</sub>

## 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 CO <sub>2</sub> -eq/kWh

### Dangerous substances

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

### Indoor environment

Has no impact on indoor environment

## Additional Environmental Information

### Key Environmental Indicators

Key environmental performance indicators	Unit	Product stage	Construction stage		End-of-life				Net benefits and loads from reuse, recovery, and/or recycling
		A1-A3	A4	A5	C1	C2	C3	C4	D
GWP <sub>total</sub>	kg CO <sub>2</sub> -eq	15.24	0.45	0.55	0.00	0.03	0.34	0.04	-1.34
Total energy consumption	MJ	218.23	6.86	0.01	0.00	0.48	0.37	1.03	-11.39
Share of recycled materials	%	12.45							

### Additional environmental impact indicators required in NPCR Part A for construction products

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWPIOBC	kg CO <sub>2</sub> -eq	1.58E+01	4.46E-01	1.28E-03	0	3.14E-02	3.39E-01	4.22E-02	-1.34E+00

GWP-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.






### Variants and Options

#### Key environmental indicators (A1-A3) for variants of this EPD

Variants	Weight (kg)	GWP <sub>total</sub> (kg CO <sub>2</sub> -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)
Slits Paper Bin 70L - Article number 410.600.011	16.22	37.49	538.13	12.40
Slits Paper Bin 50L - Article number 410.600.013	9.68	23.09	328.10	12.43

## 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.

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