

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

Elfa storage - Wire products
Elfa International AB



EPD HUB, HUB-1914

Published on 15.09.2024, last updated on 15.09.2024, valid until 15.09.2029.

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Elfa International AB
Address	Lilla Nygatan 7, 211 38 Malmö, Sweden.
Contact details	Heba.alwan@elfa.com
Website	www.elfa.com

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR version 1.1, 5 Dec 2023
Sector	Construction product
Category of EPD	Third-party verified EPD
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Heba Alwan, Elfa international AB
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	Imane Uald Lamkaddam, as an authorized verifier acting for EPD Hub Limited

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

Product name	Elfa storage - Wire products
Additional labels	-
Product reference	Wire Shelf W:60 D:40 White.
Place of production	Västervik, Sweden, and Koszalin, Poland, Multiple manufacturers.
Period for data	1/04/2023-31/03/2024
Averaging in EPD	Multiple manufacturers
Variation in GWP-fossil for A1-A3	34%

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg of painted steel wire products.
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	1.58
GWP-total, A1-A3 (kgCO ₂ e)	1.47
Secondary material, inputs (%)	90.0
Secondary material, outputs (%)	82.5
Total energy use, A1-A3 (kWh)	9.11
Net freshwater use, A1-A3 (m ³)	0.05

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Elfa Manufacturing Sweden AB and Elfa Manufacturing Poland are subsidiaries of the Elfa Group. Established in 1948, Elfa offers a range of durable and customizable home storage solutions, including wall-mounted and freestanding storage systems, top tracks, hang standards, brackets, shelves, drawers, and sliding doors. The Elfa Group operates three production sites located in Västervik and Mullsjö, Sweden, and Koszalin, Poland. Additionally, we have sales companies in Norway, Finland, Denmark, France, and Germany.

At Elfa, we are deeply committed to a sustainable future and are proud signatories of the UN Global Compact. Our high rankings on networks like EcoVadis attest to our dedication. We've set ambitious environmental and climate sustainability targets, focusing on reducing our carbon footprint and developing long-lasting, high-quality products with timeless designs to encourage circular flows. Furthermore, all Elfa production sites hold ISO 14001:2015 certification.

PRODUCT DESCRIPTION

All articles in this declaration are structured similarly, though they differ in size and weight. For this declaration, we have assumed a product weight of 1.4 kg. The products are manufactured in two different facilities and are available in three colours.

This EPD encompasses Elfa's powder-coated wire products, including wire drawers, baskets, and shelves. The table below details the product series.

Product series	Size range WXD [mm]	Weighing range [kg]
Wire shelf	450x305-1212x494	0.77-3.31
Wire basket	607x337-607x438	1.53-1.82
Wire drawer	327x527-527x527	0.63-1.25

The outcomes can be scaled linearly for articles listed in Annex 1, which shows all Elfa storage wire products, article numbers, and product descriptions covered by this EPD.

Further information can be found at WWW.ELFA.COM.

PRODUCT RAW MATERIAL MAIN COMPOSITION V

Raw material category	Amount, mass- %	Material origin
Metals	97	EU
Minerals	3	EU
Fossil materials	0	-
Bio-based materials	0	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0.033

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg of painted steel wire products.
Mass per declared unit	1 kg
Functional unit	-
Reference service life	-

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

Product stage			Assembly stage		Use stage							End-of-life stage				Beyond the system boundaries		
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		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Modules not declared = MND. Modules not relevant = MNR.

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission.

The primary raw materials used in the product consist of 97% steel wire and 3% powder coating (A1). The manufacturing and packaging processes occur at two locations: Elfa Manufacturing Poland in Koszalin, Poland, and Elfa Manufacturing Sweden AB in Västervik, Sweden. The scope of this Environmental Product Declaration (EPD) includes inter-site transportation between these facilities, as well as the transportation of incoming raw materials and packaging materials (A2).

The two production facilities are ISO 14001:2015 certified. At the two facilities electricity, district heating, light fuel oil, natural gas, and welding electrodes are used in the manufacturing process. Steel in wire form is cut to size and formed using standard steel working techniques of cutting, welding, and conveying. Before applying the powder coating, the steel surface needs to be properly prepared. This typically involves cleaning the surface to remove any dirt, oil, or rust.

Depending on the condition of the steel, chemical cleaning is used to achieve a clean and smooth surface. After applying the powder coating, the products are heated in an oven to cure the coating. This ensures that the paint adheres properly and provides long-term protection. This heating step melts the powder, forming a continuous protective film that ensures long-lasting adherence and durability of the coating (A3). Waste generated during manufacturing is sent to a local waste management facility for treatment (A3). Upon completion, the finished products are carefully packaged for transportation.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

When the product is produced and packaged, it is distributed from Elfa Manufacturing Sweden AB. The most common distribution scenario in the Swedish market is used for this assessment. The product is transported by truck to a distribution center in Stockholm, a route of 278 km. The truck has a size of 22,5t, is diesel-fuelled, and has a load factor of 95%, which means full load. From the distribution center, the product is distributed to the end customer, an average route of 30 km. The truck has a size of 2,5t, is HVO fuelled and has a load factor of 50%.

Packaging materials (wood, cardboard, and plastic) are recycled or incinerated for energy recovery, which is considered in this model (A5), as well as direct emissions to the air of carbon dioxide to balance emissions of biogenic CO₂. Transportation distance to the waste treatment plant and the landfill is assumed to be 50 km, the transportation method is assumed to be a lorry.

PRODUCT USE AND MAINTENANCE (B1-B7)

Use stage is not considered in the assessment.

Air, soil, and water impacts during the use phase have not been studied.

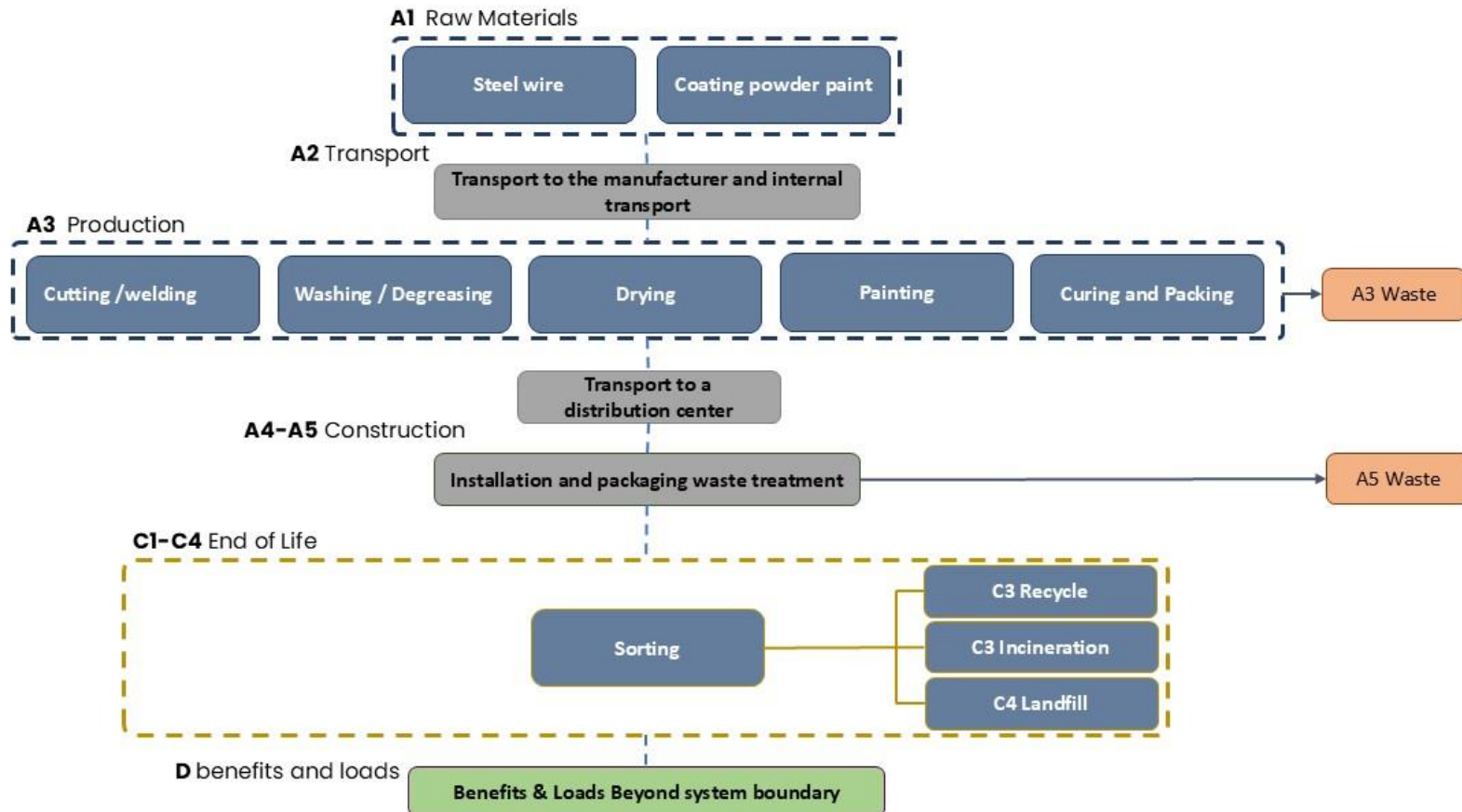
PRODUCT END OF LIFE (C1-C4, D)

Since the consumption of energy and natural resources is negligible for disassembling the end-of-life product, the impacts of demolition are assumed to be zero (C1). After approximately 20 years of service life, it is assumed that the product will be transported to the nearest treatment facility, located about 50 km away, via lorry (C2). It is generally assumed that all waste is collected and professionally separated after demolition on the construction site. The type of waste treatment is determined based on the material class.

According to the World Steel Association, the recycling rate for steel from construction is 85% (C3). The remaining 15% is taken to the landfill for final disposal (C4). Due to the uncertainty about the selected disposal method, the most plausible and reasonable scenario was adopted, considering landfilling as the disposal method.

Benefits and loads from replacing virgin steel production due to recycling at the end of life are associated with module (D). Due to the recycling process, the end-of-life product is converted back into recycled steel (D), however, the benefit is considered only for the virgin steel, not the recycled steel. Waste of packaging materials in (A5) has benefits and loads that are also considered in module (D).

Manufacturing process and system boundary



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. The study does not exclude any hazardous materials or substances. The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging materials	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	Multiple factories
Averaging method	Averaged by shares of total volume
Variation in GWP-fossil for A1-A3	34%

Primary data represents the two ELFA facilities where Elfa storage wire products are manufactured. The data was used to calculate the average impact of the product.

The variability of the primary data or the emissions between the manufacturing sites did not amount to more than 34 % of the relevant data. The primary data was averaged by calculating a weighted average of the site's consumption of raw materials and energy, and production of wastes. The share of production volume per site was used in the weighting.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total1)	kg CO2e	1,09E+00	1,03E-01	2,73E-01	1,47E+00	1,11E-01	1,22E-01	MND	MND	MND	MND	MND	MND	MND	MNR	8,31E-03	1,81E-02	4,35E-03	2,59E+03
GWP – fossil	kg CO2e	1,09E+00	1,03E-01	3,87E-01	1,58E+00	1,11E-01	6,25E-03	MND	MND	MND	MND	MND	MND	MND	MNR	8,31E-03	1,80E-02	4,35E-03	2,59E+03
GWP – Biogenie	kg CO2e	0,00E+00	0,00E+00	-1,16E-01	-1,16E-01	0,00E+00	1,16E-01	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	-4,19E-04
GWP – LULUC	kg CO2e	6,40E-04	3,97E-05	2,94E-03	3,62E-03	5,84E-05	1,26E-06	MND	MND	MND	MND	MND	MND	MND	MNR	3,26E-06	2,37E-05	1,05E-06	3,44E+00
Ozone depletion pot.	kg CFC-11e	6,06E-08	2,37E-08	3,54E-08	1,20E-07	2,43E-08	1,78E-10	MND	MND	MND	MND	MND	MND	MND	MNR	1,92E-09	2,23E-09	4,06E-10	1,51E-04
Acidification potential	mol H+e	4,00E-01	4,22E-04	1,75E-03	4,02E-01	5,43E-04	1,25E-05	MND	MND	MND	MND	MND	MND	MND	MNR	3,37E-05	2,29E-04	9,88E-06	1,16E+01
EP-freshwater2)	kg Pe	1,82E-04	7,49E-07	2,72E-05	2,10E-04	1,20E-06	4,48E-08	MND	MND	MND	MND	MND	MND	MND	MNR	5,83E-08	9,68E-07	1,31E-08	1,49E-01
EP-marine	kg Ne	9,76E-04	1,26E-04	3,41E-04	1,44E-03	1,62E-04	1,01E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,01E-05	4,84E-05	3,41E-06	2,12E+00
EP-terrestrial	mol Ne	1,03E-02	1,39E-03	3,27E-03	1,50E-02	1,80E-03	5,10E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,11E-04	5,60E-04	3,74E-05	2,43E+01
POCP (“smog”)3)	kg NMVOCe	4,37E-01	4,29E-04	9,38E-04	4,39E-01	5,74E-04	1,51E-05	MND	MND	MND	MND	MND	MND	MND	MNR	3,40E-05	1,54E-04	1,16E-05	6,93E+00
ADP-minerals & metals4)	kg Sbe	8,97E-06	3,35E-07	1,59E-06	1,09E-05	1,11E-06	1,14E-08	MND	MND	MND	MND	MND	MND	MND	MNR	2,95E-08	2,43E-06	2,83E-09	7,74E-03
ADP-fossil resources	MJ	1,32E+01	1,53E+00	9,71E+00	2,45E+01	1,63E+00	1,86E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,23E-01	2,45E-01	2,83E-02	3,69E+04
Water use5)	m3e depr.	5,49E+01	7,01E-03	2,63E-01	5,52E+01	9,98E-03	8,91E-04	MND	MND	MND	MND	MND	MND	MND	MNR	5,70E-04	4,75E-03	1,10E-04	1,49E+03

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO4e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	6,86E-08	9,55E-09	1,14E-08	8,95E-08	1,09E-08	1,49E-10	MND	MND	MND	MND	MND	MND	MND	MNR	7,17E-10	3,00E-09	1,99E-10	2,49E-04
Ionizing radiation ⁶⁾	kBq U235e	1,34E-01	7,82E-03	3,39E-01	4,81E-01	9,62E-03	1,89E-04	MND	MND	MND	MND	MND	MND	MND	MNR	6,46E-04	2,73E-03	1,31E-04	7,24E+02
Ecotoxicity (freshwater)	CTUe	2,25E+01	1,29E+00	5,83E+00	2,97E+01	1,57E+00	5,55E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,02E-01	1,11E+00	1,98E-02	4,85E+04
Human toxicity, cancer	CTUh	1,83E-08	3,80E-11	6,28E-10	1,90E-08	1,20E-10	7,19E-12	MND	MND	MND	MND	MND	MND	MND	MNR	3,17E-12	3,40E-11	7,68E-13	1,33E-04
Human tox. non-cancer	CTUh	3,98E-08	1,30E-09	4,86E-09	4,60E-08	1,81E-09	6,07E-11	MND	MND	MND	MND	MND	MND	MND	MNR	1,04E-10	1,52E-09	1,38E-11	6,63E-05
SQP ⁷⁾	-	3,77E+00	1,23E+00	9,19E+00	1,42E+01	9,47E-01	2,13E-02	MND	MND	MND	MND	MND	MND	MND	MNR	8,64E-02	4,92E-01	6,27E-02	1,04E+04

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	3,01E+00	2,08E-02	5,62E+00	8,65E+00	3,56E-02	1,29E-03	MND	MND	MND	MND	MND	MND	MND	MNR	1,77E-03	4,34E-02	3,16E-04	5,01E+03
Renew. PER as material	MJ	0,00E+00	0,00E+00	1,01E+00	1,01E+00	0,00E+00	-1,01E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	3,76E-03
Total use of renew. PER	MJ	3,01E+00	2,08E-02	6,64E+00	9,67E+00	3,56E-02	-1,01E+00	MND	MND	MND	MND	MND	MND	MND	MNR	1,77E-03	4,34E-02	3,16E-04	5,01E+03
Non-re. PER as energy	MJ	1,28E+01	1,53E+00	9,48E+00	2,38E+01	1,63E+00	1,86E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,23E-01	2,45E-01	2,83E-02	3,68E+04
Non-re. PER as material	MJ	0,00E+00	0,00E+00	2,01E-01	2,01E-01	0,00E+00	-2,01E-01	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	3,22E-05
Total use of non-re. PER	MJ	1,28E+01	1,53E+00	9,68E+00	2,40E+01	1,63E+00	-1,82E-01	MND	MND	MND	MND	MND	MND	MND	MNR	1,23E-01	2,45E-01	2,83E-02	3,68E+04
Secondary materials	kg	1,12E+00	4,91E-04	4,32E-02	1,17E+00	7,31E-04	2,54E-05	MND	MND	MND	MND	MND	MND	MND	MNR	4,14E-05	2,72E-04	7,05E-06	5,58E+03
Renew. secondary fuels	MJ	3,67E-04	5,32E-06	2,54E-02	2,58E-02	7,26E-06	1,84E-07	MND	MND	MND	MND	MND	MND	MND	MNR	4,56E-07	1,42E-05	2,16E-07	4,91E-01
Non-ren. secondary fuels	MJ	2,52E-01	0,00E+00	0,00E+00	2,52E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	4,50E-02	1,93E-04	9,08E-03	5,43E-02	2,63E-04	2,21E-05	MND	MND	MND	MND	MND	MND	MND	MNR	1,55E-05	1,44E-04	3,09E-05	4,76E+01

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	4,68E-01	1,79E-03	3,10E-02	5,01E-01	2,75E-03	1,60E-04	MND	MND	MND	MND	MND	MND	MND	MNR	1,38E-04	1,66E-03	0,00E+00	1,96E+03
Non-hazardous waste	kg	2,03E+00	3,11E-02	1,11E+00	3,17E+00	5,43E-02	4,27E-02	MND	MND	MND	MND	MND	MND	MND	MNR	2,46E-03	5,31E-02	1,75E-01	6,73E+03
Radioactive waste	kg	9,10E-05	1,04E-05	8,07E-05	1,82E-04	1,11E-05	6,55E-08	MND	MND	MND	MND	MND	MND	MND	MNR	8,50E-07	1,43E-06	0,00E+00	2,21E-01

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	6,10E-02	0,00E+00	1,04E+00	1,10E+00	0,00E+00	2,00E-02	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	8,25E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	2,28E-04	0,00E+00	1,12E-03	1,35E-03	0,00E+00	2,20E-03	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,46E-01	MND	MND	MND	MND	MND	MND	MND	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	1,14E+00	3,57E-02	3,85E-01	1,57E+00	1,09E-01	1,00E-02	MND	MND	MND	MND	MND	MND	MND	MNR	8,23E-03	1,78E-02	3,67E-03	2,55E+03
Ozone depletion Pot.	kg CFC-11e	7,27E-08	6,58E-09	3,02E-08	1,10E-07	1,93E-08	1,46E-10	MND	MND	MND	MND	MND	MND	MND	MNR	1,52E-09	1,80E-09	3,22E-10	1,27E-04
Acidification	kg SO ₂ e	5,22E-03	1,16E-04	1,45E-03	6,78E-03	4,21E-04	9,15E-06	MND	MND	MND	MND	MND	MND	MND	MNR	2,62E-05	1,85E-04	7,47E-06	9,53E+00
Eutrophication	kg PO ₄ ³ e	2,67E-03	2,63E-05	9,68E-04	3,66E-03	1,06E-04	9,38E-05	MND	MND	MND	MND	MND	MND	MND	MNR	5,95E-06	6,11E-05	1,21E-04	6,24E+00
POCP ("smog")	kg C ₂ H ₄ e	3,72E-04	4,67E-06	7,46E-05	4,51E-04	2,91E-05	1,30E-06	MND	MND	MND	MND	MND	MND	MND	MNR	1,07E-06	7,01E-06	7,62E-07	5,04E-01
ADP-elements	kg Sbe	9,92E-06	1,10E-07	1,55E-06	1,16E-05	1,10E-06	1,11E-08	MND	MND	MND	MND	MND	MND	MND	MNR	2,88E-08	2,43E-06	2,77E-09	7,14E-03
ADP-fossil	MJ	1,50E+01	5,36E-01	9,69E+00	2,52E+01	1,63E+00	1,86E-02	MND	MND	MND	MND	MND	MND	MND	MNR	1,23E-01	2,45E-01	2,83E-02	3,68E+04

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? [Read more online](#)

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Imane Uald Lamkaddam, as an authorized verifier acting for EPD Hub Limited
15.09.2024



ANNEX 1: CONVERSION TABLE FOR PRODUCT STAGE (A1-A3) GWP EN15084 +A2, PEF

<i>Article number</i>	<i>Product Description</i>	<i>WxDxH [mm]</i>	<i>Weight [kg]</i>	<i>GWP total A1-A3 [kg CO2-e/ kg item]</i>
451025	Wire shelf W: 60 D: 30 Graphite	607x305x14	1,03	1,51
4500071	Wire shelf W: 90 D: 30 Matte grey	902x305x14	1,51	2,22
4500070	Wire shelf W: 60 D: 30 Matte grey	607X305X14	1,11	1,63
450410	Wire shelf W: 90 D: 30 White	902x305x14	1,80	2,65
450210	Wire shelf W: 60 D: 30 White	607x305x14	1,12	1,65
451125	Wire shelf W: 90 D: 30 Graphite	902x305x14	1,50	2,21
4500076	Wire shelf W:120 D: 50 Graphite	1212x494x14	3,31	4,87
450280	Wire shelf W: 60 D: 30 White	607x305x14	1,11	1,63
451050	Wire shelf W: 60 D: 30 Matte white	607x305x14	1,02	1,50
451051	Wire shelf W: 60 D: 30 Matte grey	607x305x14	1,02	1,50
451150	Wire shelf W: 90 D: 30 Matte white	902x305x14	1,51	2,22
451151	Wire shelf W: 90 D: 30 Matte grey	902x305x14	1,51	2,22
457018	Wire shelf basket W: 60 D: 30 White	607x337x96	1,53	2,25
4500072	Wire shelf W: 60 D: 40 Matte grey	607x405x14	1,29	1,90
450310	Wire shelf W: 60 D: 40 White	607x405x14	1,39	2,04
4500073	Wire shelf W: 90 D: 40 Matte grey	902x405x14	2,05	3,01
450510	Wire shelf W: 90 D: 40 White	902x405x14	2,05	3,01
451525	Wire shelf W: 90 D: 40 Graphite	902x405x14	2,05	3,01
451210	Wire shelf W: 120 D: 30 White	1212x305x14	2,24	3,29
451225	Wire shelf W: 120 D: 30 Graphite	1212x305x14	2,24	3,29
451425	Wire shelf W: 60 D: 40 Graphite	607x405x14	1,40	2,06
451450	Wire shelf W: 60 D: 40 Matte white	607x405x14	1,27	1,87
451451	Wire shelf W: 60 D: 40 Matte grey	607x405x14	1,27	1,87
457218	Wire shelf basket W: 60 D: 40 White	607x438x96	1,82	2,68
457225	Wire shelf basket W: 60 D: 40 Graphite	607x438x96	1,82	2,68
451550	Wire shelf W: 90 D: 40 Matte grey	902x405x14	1,88	2,76

451551	Wire shelf W: 90 D: 40 Matte grey	902x405x14	1,88	2,76
4500075	Wire shelf W:90 D: 50 Graphite	902x494x14	2,05	3,01
451610	Wire shelf W: 120 D: 40 white	1212x405x14	3,30	4,85
451625	Wire shelf W: 120 D: 40 Graphite	1212x405x14	2,76	4,06
451750	Wire shelf W: 90 D:52 Matte white	902x494x14	2,05	3,01
451910	Wire shelf W: 90 D: 50 White	902x494x14	2,05	3,01
4500074	Wire shelf W:60 D: 50 Graphite	607x494x14	1,52	2,23
451818	Wire shelf W: 60 D: 50 White	607x494x14	1,52	2,23
451925	Wire shelf W:90 D:50 Graphite	902x494x14	2,22	3,26
451751	Wire shelf W:90 D:52 Matte grey	902x507x14	2,08	3,06
452018	Wire shelf W: 120 D: 50 White	1212x494x14	3,31	4,87
452618	Wire shelf W: 45 D: 30 White	450x305x14	0,77	1,13
452625	Wire shelf W: 45 D: 30 Graphite	450x305x14	0,86	1,26
452650	Wire shelf W: 45 D: 30 Matte white	450x305x14	0,77	1,13
452651	Wire shelf W: 45 D: 30 Matte grey	450x305x14	0,77	1,13
452718	Wire shelf W: 45 D: 40 White	450x405x14	1,01	1,48
452725	Wire shelf W: 45 D: 40 Graphite	450x405x14	1,01	1,48
452750	Wire shelf W: 45 D: 40 Matte White	450x405x14	0,95	1,40
452751	Wire shelf W: 45 D: 40 Matte grey	450x405x14	0,95	1,40
452818	Wire shelf W: 45 D: 50 White	450x494x14	1,16	1,71
452825	Wire shelf W: 45 D: 50 Graphite	450x494x14	1,16	1,71
452950	Wire Shelf W:45 D: 52 Matte white	450x494x14	1,16	1,71
452951	Wire Shelf W:45 D:52 Matte grey	450x494x14	1,16	1,71
451018	Wire shelf W: 60 D: 30 White	607x305x14	1,14	1,68
451118	Wire shelf W: 90 D: 30 White	902x305x14	1,50	2,21
451218	Wire shelf W: 120 D: 30 White	1212X305X14	2,24	3,29
451418	Wire shelf W: 60 D: 40 White	607x405x14	1,39	2,04
451518	Wire shelf W: 90 D: 40 White	902x405x14	2,07	3,04
451618	Wire shelf W: 120 D: 40 White	1212x405x14	2,97	4,37
135110	Wire drawer W: 35 D: 54 H: 8 White	327x527x85	0,63	0,93

135210	Wire drawer W: 35 D: 54 H: 18 White	327x527x185	0,79	1,16
135310	Wire drawer W: 35 D: 54 White	527x285x385	0,93	1,37
144115	Wire drawer W: 45 D: 40 H: 8 White	427x427x85	0,66	0,97
144215	Wire drawer W: 45 D: 40 H: 18 White	427x427x185	0,84	1,23
144315	Wire drawer W: 45 D: 40 H: 28 White	427x427x285	1,11	1,63
145110	Wire drawer W: 45 D: 54 H: 8 White	427x527x185	0,74	1,09
145210	Wire drawer W: 45 D: 54 H: 18 White	427x527x185	0,91	1,34
145310	Wire drawer W: 45 D: 54 H: 28 White	527x427x285	1,25	1,84
155110	Wire drawer W:45 D:54 H: 28 White	527x427x285	1,25	1,84
155210	Wire drawer W: 55 D: 54 H: 18 White	527x527x185	1,05	1,54
155310	Wire drawer W: 55 D: 54 H: 28 White	527X527X285	1,25	1,84
164110	Wire drawer for Gliding frame W: 60 D: 40 H: 8 White	580X427X85	0,77	1,13
164210	Wire drawer for Gliding frame W: 60 D: 40 H: 18 White	580X427X185	1,11	1,63
164310	Wire drawer for Gliding frame W: 60 D: 40 H: 28 White	580X427X285	1,17	1,72
451825	Wire shelf W:60 D: 50 Graphite	607x494x14	1,50	2,21
451350	Wire shelf W: 60 D: 52 Matte white	607x507x14	1,40	2,06
451351	Wire shelf W:60 D:52 Matte grey	607x507x14	1,40	2,06
100162	Wire shelf divider D: 30 White	54x311x200	0,21	0,31
100163	Wire shelf divider D: 40 White	54x411x200	0,24	0,35
100225	Wire shelf divider D: 40 Graphite	54x411x200	0,24	0,35
100325	Wire shelf divider D: 30 Graphite	54x311x200	0,21	0,31
100450	Wire shelf divider D: 40 White	54x411x200	0,26	0,38
100451	Wire shelf divider D: 40 Matte grey	54x411x200	0,26	0,38
100625	Wire shelf divider D: 40 Graphite	54x511x200	0,30	0,44
227218	Gift Wrap Organizer White	495x145x121	0,37	0,54
302118	Narrow Shallow Basket White	349x102x71	0,34	0,50
302125	Narrow Shallow Basket Graphite	349x105x69	0,40	0,59
302218	Narrow Deep Basket White	349x103x142	0,40	0,59
302225	Narrow Deep Basket Graphite	349x103x142	0,40	0,59
325710	Side Basket White	515x150x136	0,34	0,50

325718	Side Basket White	515x150x136	0,33	0,49
325728	Side Basket Graphite	515x150x136	0,33	0,49
325818	Magazine Rack White	515x100x210	0,40	0,59
325828	Magazine Rack Graphite	515x100x210	0,40	0,59
333010	Large Basket White	435x135x140	0,72	1,06
333025	Large Basket Graphite	435x135x140	0,71	1,04
333110	Medium Basket White	435x104x70	0,57	0,84
333125	Medium Basket Graphite	435x104x140	0,57	0,84
333210	Small Basket White	435x80x70	0,53	0,78
333225	Small Basket Graphite	435x80x70	0,57	0,84
333910	D&W Shoe Rack White	435x132x113	0,40	0,59
333925	D&W Shoe Rack Graphite	435x132x113	0,40	0,59
334510	Gift Wrap Rack White	435x154x60	0,27	0,40
334525	Gift Wrap Rack Graphite	435x154x60	0,27	0,40
701010	Shoe rack W: 60 D: 30 White	631X232X254	2,23	3,28
482618	Gliding Shoe Rack White	605X430X96	2,24	3,29
482625	Gliding shoe rack W: 60 D: 40 Graphite	605X430X96	2,21	3,25
486410	Gliding Shoe Rack White	448X430X96	1,74	2,56
486425	Gliding Shoe Rack Graphite	448X430X96	1,74	2,56
227118	Ribbon Dispenser White	241X76X68	0,11	0,16