



ENVIRONMENTAL PRODUCT DECLARATION

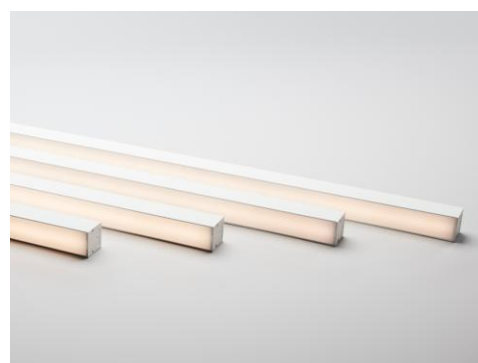
IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

EPD HUB, HUB-3845

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valid until 20.02.2027

Flexline 2000

Elektro Elco Aktiebolag



MANUFACTURER AND SITE

Manufacturer	Elektro Elco Aktiebolag
Address	TALLVÄGEN 5, 56435, Bankeryd, SE
Contact details	info@elco.se
Website	www.hidealite.se
Place of production	Shenzhen City, China
Place(s) of raw material origin	Asia
Place(s) of installation and use	Sweden, Norway, Denmark, Finland
Period for data	2025

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2 and ISO 14025
PCR	EPD Hub Core PCR version 1.1, 5 Dec 2023
Sector	Electrical product
Category of EPD	Design phase EPD
Parent EPD number	-
Scope of the EPD	Cradle to gate with options, A4-A5, B6, and modules C1-C4, D
EPD author VP-004	Emma Cunow
EPD verification	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal verification <input checked="" type="checkbox"/> External verification
EPD verifier VP-055	EPD Hub Limited

PRODUCT SPECIFICATION

Product name	Flexline 2000
Product number / reference	7511477, 7511481
Product description	Flexline is a ready-made 230V profile solution with connection. Available in white or black enamelled aluminium. Wide range of accessories such as joints, suspension kits and connections (ordered separately). Available in lengths from 30 cm to 2 m. The fixture has pre-drilled holes and is supplied with double-sided adhesive tape to facilitate installation. Screws should always be used for assembly. Select colour temperature via DIP switch, 2700K, 3000K or 4000K Replaceable LED and driver. Dimmable via external dimmer and can be connected to a length of up to 10 metres. Perfect for a wide range of uses such as behind curtains, in fitting rooms, niches, integrated into shelving systems or base cabinets, and suspended over, for example, shop counters.
GTIN (Global Trade Item Number)	-
NOBB (Norwegian Building Product Database)	-

This EPD is intended for business-to-business and/or business-to-consumer communication.

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.1 (5 Dec 2023) and JRC characterization factors EF 3.1. 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 CLASSIFICATION

Declared operating voltage, Volt	230
Light source color temperature, Kelvin	2700;3000;4000
Protection index for water and dust (IP)	
Impact resistance index (IK)	
Luminous flux, Lumen	3370
Electrical power, Watt	38
Luminous efficiency, Lm/W	90
Additional characteristic	

ABOUT THE MANUFACTURER

With the brand Hide-a-lite, we create efficient lighting solutions for both private and public environments. In our range, you will find high-quality luminaires that are easy to install, perfect for illuminating everything from industries and residences to hotels, restaurants, offices, and shops. Over the years, we have built extensive experience and knowledge in lighting, knowledge that we gladly share with our customers. Our focus lies on technology, design, and functionality, with a commitment to sustainable development and energy efficiency adapted for the Nordic market.

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 unit
Declared unit mass, kg	1,0029
Mass of packaging, kg	0,4089
Functional unit	Provide lighting that delivers an outgoing artificial luminous flux of 1,000 lumens during a reference lifetime of 35,000 hours
Reference service life (years)	28,5
Assigned lifetime (hours)	100000
GWP-total, A1-A3 (kg CO ₂ e)	23,3
GWP-fossil, A1-A3 (kg CO ₂ e)	23,7
Secondary material, inputs (%)	28,6
Secondary material, outputs (%)	46,1
Total energy use, A1-A3 (kWh)	74,9
Net freshwater use, A1-A3 (m ³)	0,106

LIFE CYCLE ASSESSMENT

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
Raw materials	Transport	Manufacturing	Transport	Assembly
				Use
				Maintenance
				Repair
				Replacement
				Refurbishment
				Operational energy
				Operational water use
				Deconstruct./demo.
				Transport
				Waste processing
				Disposal
				Reuse, Recovery, Recycling

Modules not declared = MND.

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. 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

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	No allocation
Ancillary materials	Allocated by mass
Manufacturing energy and waste	Allocated by mass

AVERAGES AND VARIABILITY

This EPD is product and factory-specific and does not contain average calculations.

LCA SOFTWARE AND BIBLIOGRAPHY

The LCA and EPD have been prepared according to the reference standards, EN 50693, and ISO 14040/14044. Ecoinvent v3.10.1 and One Click LCA databases were used as sources of environmental data. Allocation used in Ecoinvent 3.10.1 environmental data sources follow the methodology 'allocation, cut-off, EN 15804+A2'.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass- %	Material origin
Metals	55,15	Asia
Minerals	0,1	Asia
Fossil materials	23,42	Asia
Bio-based materials	0	
Electronic parts	21,33	Asia

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	0,16663

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

displaces electricity and heat production (D). The benefits and loads of incineration and recycling are included in Module D.

MANUFACTURING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production. The material losses occurring during the manufacturing processes are treated as per the waste handling practices in the factory, while scenario assumptions are made in the absence of exact data. The study also considers the fuels used by machines as well as losses during electricity transmission.

The product is made of metals, plastics, and electronic components. All components are transported to the production facility, where the main manufacturing processes are associated with assembly of different parts and components. The finished product is packaged with polyethylene, cardboard, and/or paper as packaging material before being sent to customers.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation distances from manufacturing sites to customer locations are based on sales volume-based weighted averages. In the absence of exact data, conservative assumptions are made (A4). Environmental impacts from installation include waste packaging materials (A5). The impacts of energy consumption and the used ancillary materials during installation are considered negligible.

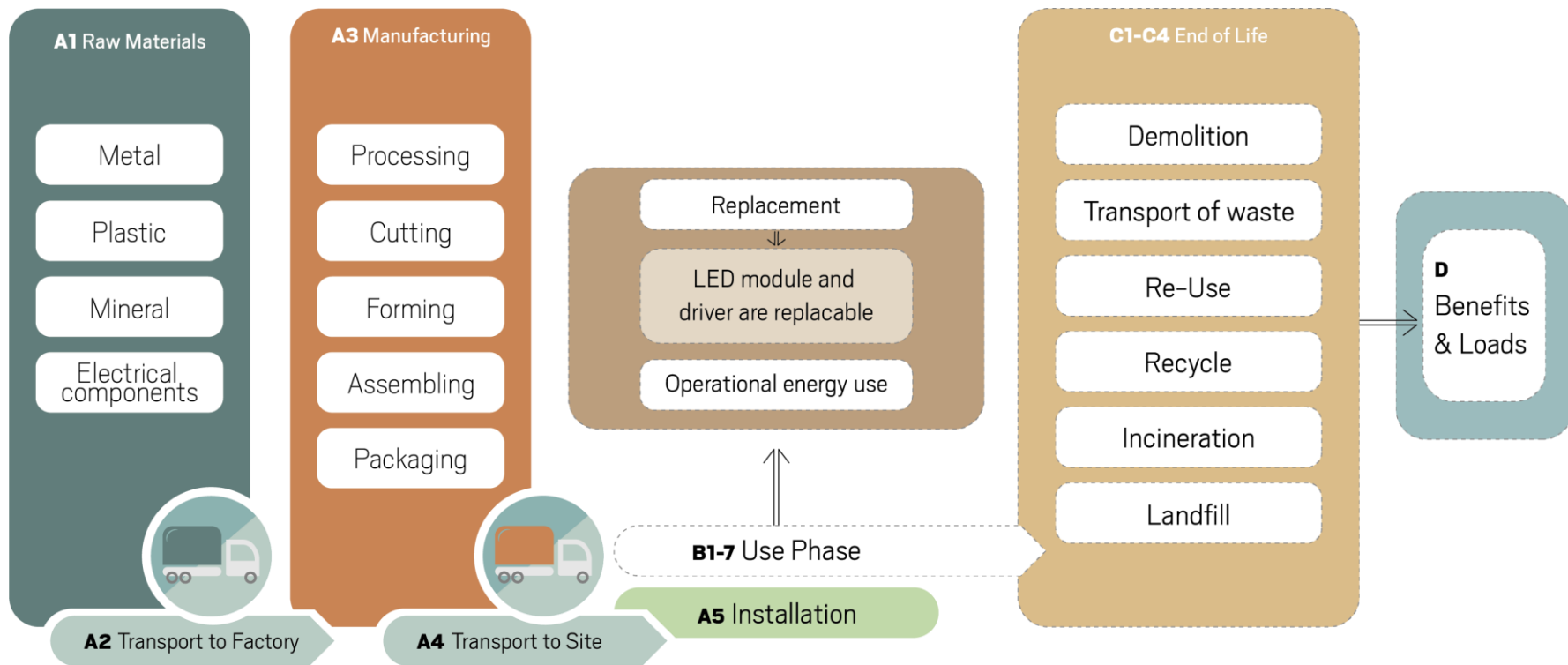
PRODUCT USE AND MAINTENANCE (B1-B7)

During the use phase, the product consumes electricity (B6). Impacts due to electricity production include direct emissions to air, transformation, and transmission losses.

PRODUCT END OF LIFE (C1-C4, D) VP-049-C

Consumption of energy and natural resources in demolition process is assumed to be negligible. It is assumed that the waste is collected separately and transported to the waste treatment centre. The transport distance is 150 km while the transportation method is assumed to be lorry (C2). According to EN 50693:2019, the sequence of treatment operations occurring to the product shall include de-pollution, fractions separation and preparation (dismantling, crushing, shredding, sorting), recycling, other material recovery, energy recovery and disposal. In this study, the default values from table G.4 of EN 50693 is used for treating materials in different waste treatment methods. Due to the material and energy recovery potential of parts in the lighting system, the end-of-life product is converted into recycled raw materials, while the energy recovered from incineration

LIFE CYCLE FLOW DIAGRAM



ENVIRONMENTAL IMPACT DATA, RESULTS PER DECLARED UNIT

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	1,92E+01	6,98E-03	4,11E+00	2,33E+01	3,95E-01	5,79E-01	MNR	MNR	MNR	MNR	MNR	1,42E+02	MNR	0,00E+00	2,94E-02	2,69E-01	2,05E-01	-1,15E+01
GWP – fossil	kg CO ₂ e	1,90E+01	6,98E-03	4,70E+00	2,37E+01	3,95E-01	2,18E-02	MNR	MNR	MNR	MNR	MNR	1,26E+02	MNR	0,00E+00	2,94E-02	2,69E-01	2,05E-01	-7,76E+00
GWP – biogenic	kg CO ₂ e	1,05E-01	1,56E-06	-6,02E-01	-4,97E-01	7,61E-05	5,57E-01	MNR	MNR	MNR	MNR	MNR	2,28E+00	MNR	0,00E+00	6,43E-06	-7,42E-05	-1,97E-05	-3,70E+00
GWP – LULUC	kg CO ₂ e	1,34E-02	3,16E-06	7,77E-03	2,12E-02	2,06E-04	1,16E-05	MNR	MNR	MNR	MNR	MNR	1,41E+01	MNR	0,00E+00	1,30E-05	3,75E-05	1,05E-05	-4,49E-03
Ozone depletion pot.	kg CFC ₁₁ e	1,53E-07	1,03E-10	1,84E-08	1,71E-07	6,29E-09	2,42E-10	MNR	MNR	MNR	MNR	MNR	3,76E-06	MNR	0,00E+00	4,11E-10	2,99E-10	1,77E-10	-3,71E-08
Acidification potential	mol H ⁺ e	1,86E-01	1,65E-05	2,58E-02	2,12E-01	8,32E-03	8,59E-05	MNR	MNR	MNR	MNR	MNR	1,54E+00	MNR	0,00E+00	9,81E-05	2,50E-04	7,70E-05	-1,18E-01
EP-freshwater ²⁾	kg Pe	1,26E-02	5,47E-07	1,06E-03	1,36E-02	2,04E-05	3,44E-06	MNR	MNR	MNR	MNR	MNR	1,11E-01	MNR	0,00E+00	2,29E-06	1,25E-05	1,46E-06	-6,40E-03
EP-marine	kg Ne	2,43E-02	3,96E-06	5,75E-03	3,00E-02	2,07E-03	8,02E-05	MNR	MNR	MNR	MNR	MNR	2,27E-01	MNR	0,00E+00	3,18E-05	7,27E-05	1,43E-04	-1,11E-02
EP-terrestrial	mol Ne	2,50E-01	4,29E-05	5,84E-02	3,08E-01	2,30E-02	2,80E-04	MNR	MNR	MNR	MNR	MNR	2,32E+00	MNR	0,00E+00	3,46E-04	7,26E-04	3,46E-04	-1,19E-01
POCP (“smog”) ³⁾	kg NMVOCe	7,63E-02	2,32E-05	1,55E-02	9,18E-02	6,45E-03	1,10E-04	MNR	MNR	MNR	MNR	MNR	6,17E-01	MNR	0,00E+00	1,37E-04	2,01E-04	9,98E-05	-3,55E-02
ADP-minerals & metals ⁴⁾	kg Sbe	7,68E-04	2,31E-08	1,88E-05	7,87E-04	6,75E-07	1,12E-07	MNR	MNR	MNR	MNR	MNR	1,51E-02	MNR	0,00E+00	9,66E-08	8,59E-07	2,79E-08	-6,85E-04
ADP-fossil resources	MJ	2,11E+02	9,83E-02	4,63E+01	2,58E+02	5,08E+00	2,46E-01	MNR	MNR	MNR	MNR	MNR	1,68E+04	MNR	0,00E+00	4,13E-01	3,34E-01	1,42E-01	-8,25E+01
Water use ⁵⁾	m ³ e depr.	3,61E+00	4,62E-04	7,73E-01	4,38E+00	2,03E-02	5,46E-03	MNR	MNR	MNR	MNR	MNR	9,27E+02	MNR	0,00E+00	1,91E-03	2,12E-02	1,04E-02	-1,53E+00

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

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	1,10E-06	5,31E-10	3,54E-07	1,45E-06	1,69E-08	1,44E-09	MNR	MNR	MNR	MNR	MNR	1,28E-05	MNR	0,00E+00	2,34E-09	2,71E-09	1,09E-09	-4,34E-07
Ionizing radiation ⁶⁾	kBq U235e	1,34E+00	8,07E-05	1,98E-01	1,53E+00	5,96E-03	9,17E-04	MNR	MNR	MNR	MNR	MNR	1,21E+03	MNR	0,00E+00	3,34E-04	2,01E-03	2,00E-04	-6,32E-01
Ecotoxicity (freshwater)	CTUe	1,22E+02	1,55E-02	1,57E+01	1,38E+02	4,94E-01	1,51E+00	MNR	MNR	MNR	MNR	MNR	2,10E+03	MNR	0,00E+00	6,53E-02	6,05E-01	1,51E+01	-5,17E+01
Human toxicity, cancer	CTUh	1,19E-08	1,17E-12	8,34E-10	1,27E-08	8,00E-11	1,08E-11	MNR	MNR	MNR	MNR	MNR	2,48E-07	MNR	0,00E+00	5,00E-12	3,48E-11	1,18E-10	-8,21E-09
Human tox. non-cancer	CTUh	4,88E-07	6,21E-11	4,02E-08	5,28E-07	1,91E-09	5,90E-10	MNR	MNR	MNR	MNR	MNR	1,30E-05	MNR	0,00E+00	2,58E-10	1,71E-09	1,71E-09	-6,31E-07
SQP ⁷⁾	-	5,13E+01	6,21E-02	4,23E+01	9,36E+01	1,32E+00	1,69E-01	MNR	MNR	MNR	MNR	MNR	3,96E+03	MNR	0,00E+00	2,47E-01	3,38E-01	1,93E-01	1,37E+02

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 the 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	1,26E+01	1,36E-03	4,99E+00	1,76E+01	7,59E-02	-6,40E+00	MNR	MNR	MNR	MNR	MNR	1,15E+04	MNR	0,00E+00	5,66E-03	4,47E-02	3,56E-03	2,21E+01
Renew. PER as material	MJ	0,00E+00	0,00E+00	5,52E+00	5,52E+00	0,00E+00	-5,52E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renew. PER	MJ	1,26E+01	1,36E-03	1,05E+01	2,31E+01	7,59E-02	-1,19E+01	MNR	MNR	MNR	MNR	MNR	1,15E+04	MNR	0,00E+00	5,66E-03	4,47E-02	3,56E-03	2,21E+01
Non-re. PER as energy	MJ	2,06E+02	9,83E-02	4,61E+01	2,52E+02	5,08E+00	2,46E-01	MNR	MNR	MNR	MNR	MNR	1,68E+04	MNR	0,00E+00	4,13E-01	-3,42E+00	-3,91E+00	-8,24E+01
Non-re. PER as material	MJ	5,44E+00	0,00E+00	-5,96E-02	5,38E+00	0,00E+00	-7,99E-02	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	-2,40E+00	-2,90E+00	0,00E+00
Total use of non-re. PER	MJ	2,11E+02	9,83E-02	4,60E+01	2,57E+02	5,08E+00	1,66E-01	MNR	MNR	MNR	MNR	MNR	1,68E+04	MNR	0,00E+00	4,13E-01	-5,82E+00	-6,81E+00	-8,24E+01
Secondary materials	kg	2,87E-01	0,00E+00	0,00E+00	2,87E-01	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Renew. secondary fuels	MJ	2,82E-03	5,69E-07	3,96E-02	4,25E-02	1,33E-05	1,91E-06	MNR	MNR	MNR	MNR	MNR	1,49E-02	MNR	0,00E+00	2,36E-06	1,54E-05	2,24E-06	-1,53E-04
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	8,97E-02	1,35E-05	1,67E-02	1,06E-01	5,35E-04	-9,87E-05	MNR	MNR	MNR	MNR	MNR	2,21E+01	MNR	0,00E+00	5,47E-05	4,17E-04	-3,01E-04	-5,75E-02

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	3,40E+00	1,72E-04	5,59E-01	3,96E+00	7,49E-03	1,79E-03	MNR	MNR	MNR	MNR	MNR	1,71E+01	MNR	0,00E+00	7,20E-04	6,37E-03	4,20E-02	-1,75E+00
Non-hazardous waste	kg	5,92E+01	3,23E-03	6,56E+00	6,57E+01	1,31E-01	3,48E-01	MNR	MNR	MNR	MNR	MNR	5,68E+02	MNR	0,00E+00	1,35E-02	1,71E-01	1,03E+00	-2,83E+01
Radioactive waste	kg	3,26E-04	1,98E-08	4,85E-05	3,74E-04	1,49E-06	2,33E-07	MNR	MNR	MNR	MNR	MNR	2,57E-01	MNR	0,00E+00	8,19E-08	4,93E-07	4,95E-08	-1,56E-04

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 reuse	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	0,00E+00	0,00E+00	2,21E-02	2,21E-02	0,00E+00	3,08E-01	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	4,62E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	3,36E-02	3,36E-02	0,00E+00	2,49E-01	MNR	MNR	MNR	MNR	MNR	0,00E+00	MNR	0,00E+00	0,00E+00	1,18E+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	1,90E+01	6,94E-03	4,69E+00	2,37E+01	3,93E-01	6,83E-02	MNR	MNR	MNR	MNR	MNR	1,41E+02	MNR	0,00E+00	2,93E-02	2,69E-01	2,05E-01	-7,71E+00
Ozone depletion Pot.	kg CFC ₁₁ e	1,47E-07	8,26E-11	1,86E-08	1,65E-07	5,00E-09	1,96E-10	MNR	MNR	MNR	MNR	MNR	3,26E-06	MNR	0,00E+00	3,29E-10	2,55E-10	1,46E-10	-3,37E-08
Acidification	kg SO ₂ e	1,59E-01	1,32E-05	2,10E-02	1,80E-01	6,65E-03	6,60E-05	MNR	MNR	MNR	MNR	MNR	1,29E+00	MNR	0,00E+00	7,51E-05	1,97E-04	5,56E-05	-1,03E-01
Eutrophication	kg PO ₄ ³ e	2,29E-02	3,16E-06	3,55E-03	2,65E-02	7,59E-04	5,58E-05	MNR	MNR	MNR	MNR	MNR	1,60E-01	MNR	0,00E+00	1,83E-05	3,63E-05	2,73E-05	-5,91E-03
POCP ("smog")	kg C ₂ H ₄ e	9,38E-03	1,27E-06	1,21E-03	1,06E-02	3,41E-04	1,63E-05	MNR	MNR	MNR	MNR	MNR	6,96E-02	MNR	0,00E+00	6,73E-06	1,17E-05	5,06E-06	-5,37E-03
ADP-elements	kg Sbe	7,64E-04	2,26E-08	1,87E-05	7,83E-04	6,62E-07	1,09E-07	MNR	MNR	MNR	MNR	MNR	1,51E-02	MNR	0,00E+00	9,43E-08	8,51E-07	2,40E-08	-6,83E-04
ADP-fossil	MJ	1,90E+02	9,70E-02	4,29E+01	2,33E+02	4,98E+00	2,30E-01	MNR	MNR	MNR	MNR	MNR	8,87E+02	MNR	0,00E+00	4,08E-01	3,02E-01	1,39E-01	-7,20E+01

THIRD-PARTY VERIFICATION STATEMENT

EPD Hub declares that this EPD is verified in accordance with ISO 14025 by an independent, third-party verifier and has been generated using an end-to-end verified tool.

EPD Hub maintains its independence as a third-party body; it was not involved in the execution of the LCA or in the development of the declaration and has no conflicts of interest regarding this verification. EPD Hub confirms that it possesses sufficient knowledge and experience in construction products and the relevant standards to carry the verification.



Nemanja Nedic
Program Manager, EPD Hub



EPD Hub has performed a detailed examination of the end-to-end verified tool and underlying data to ensure that there are no deviations in the studied Environmental Product Declaration (EPD), its Life Cycle Assessment (LCA), and project report. The tool is implemented according to the procedural and methodological requirements outlined in ISO 14025:2010, ISO 14040/14044, EN 15804+A2, and EPD Hub Core Product Category Rules version 1.1 and General Program Instructions version 1.2.

Tool verifier: Hai Ha Nguyen & Nemanja Nedic
Tool verification validity: 11 July 2024 - 11 July 2027

EPD Hub has examined the company-specific data for plausibility and consistency. The declaration owner is responsible for ensuring its factual integrity and legal compliance.