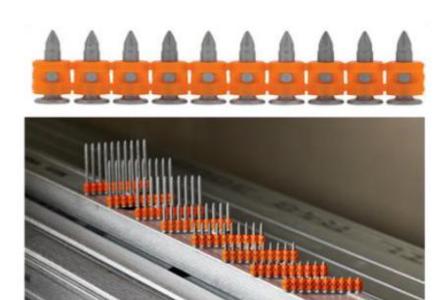




ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

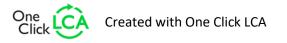
PULSA HC6 Pins
ITW Construction Products / SPIT-Paslode



EPD HUB, HUB-3170

Published on 29.07.2025, last updated on 29.07.2025, valid until 28.07.2030

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.2 (24 Mar 2025) and JRC characterization factors EF 3.1.









GENERAL INFORMATION

MANUFACTURER

MANOTACTORER	
Manufacturer	ITW Construction Products / SPIT-Paslode
Address	150, avenue de Lyon; 26500-BOURG-LES- VALENCE, France
Contact details	epd@itwcp.com
Website	https://www.spitpaslode.com/
EPD STANDARDS, SCOP	E AND VERIFICATION
Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR Version 1.2, 24 Mar 2025
Sector	Construction product
Category of EPD	Third party verified EPD
Parent EPD number	-
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	ITW Construction Products / SPIT-Paslode
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☐ External verification
EPD verifier	Lucas Rodriguez, as an authorized verifier

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

acting for EPD Hub Limited

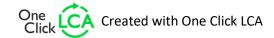
PRODUCT

2

Product name	PULSA HC6 Pins
Additional labels	SPIT
Product reference	-
Place(s) of raw material origin	Europe
Place of production	Bourg-lès-Valence, France
Place(s) of installation and use	Global
Period for data	Calendar year 2023
Averaging in EPD	No grouping
Variation in GWP-fossil for A1-A3 (%)	Not applicable
A1-A3 Specific data (%)	17.2

ENVIRONMENTAL DATA SUMMARY

Declared unit	1kg
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	3.40
GWP-total, A1-A3 (kgCO₂e)	3.11
Secondary material, inputs (%)	38
Secondary material, outputs (%)	74.2
Total energy use, A1-A3 (kWh)	21.6
Net freshwater use, A1-A3 (m³)	0.04







PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Since ITW's founding more than 100 years ago, it has become one of the world's leading diversified manufacturers of specialized industrial equipment, consumables, and related service businesses. The foundation of our company is the ITW Business Model, a unique and differentiated set of core capabilities and business practices that comprises three key elements: ITW's 80/20 Front to Back Process, customer-back innovation and a decentralized entrepreneurial culture. At ITW Construction Products we are suppliers of innovative, engineered fastening systems and related consumables and software. These products are uniquely specified for a variety of materials, including wood, concrete and steel.

PRODUCT DESCRIPTION

The declared product is a steel pins used for fixing elements in hard concrete, and steel. It is considered as a premium pin with an European Technical Assessment (ETA) and fire approval. These pins can cover multiple applications, especially in overhead fixing such as drywall metal tracks, deflection head, electrical accessories, wall ties, wood to concrete, metal brackets. It covers a wide range of lengths; from 15mm up to 65 mm for various applications. The product is manufactured in compliance with standard 9001 ISO and 14001 ISO. The product is manufactured by SPIT. The production plant is located at BOURG-LES-VALENCE, FRANCE. Adapted for use with Pulsa 27, Pulsa 40, Pulsa 65 or Pulsa 800 tools.

Further information can be found at: https://www.spitpaslode.com/

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	87	Europe
Minerals	-	-
Fossil materials	13	Europe
Bio-based materials	-	-

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	0.0845

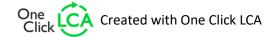
FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1kg
Mass per declared unit	1 kg
Functional unit	-
Reference service life	-

SUBSTANCES, REACH - VERY HIGH CONCERN

3

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.

Pro	duct st	tage		mbly ige			U	se sta	ge			E	nd of l	ife stag	ge		he I ies	
A1	A2	А3	A4	A5	B1	B2	В3	В4	В5	В6	В7	C1	C2	С3	C4		D	
×	×	×	×	×	MND	MND	MND	MND	MND	MND	MND	×	×	×	×			
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 provision of raw materials used in production, the production process as well as packaging materials and other ancillary materials, such as oils and washing detergent used by machines. The study also considers the material losses occurring and the handling of waste during the manufacturing processes. We have considered carbon steel and plastic collation as primary raw materials of final product. The primary products are sourced from the European Union. Transport is by lorry. The steel coils are delivered to the manufacturers site. The coils are cut and shaped to form the product in its final size and shape. The steel product is zinc coated offsite and is then assembled with plastic

collation in the factory. The finished product is packed with fuel cells and prepared for distribution. The manufacturing process requires electricity and natural gas for powering the production equipment. Wastewater treatment is also considered. Wooden pallets, cardboard, and packaging film are used as packaging materials for transporting the finished product to the dedicated marketplaces.

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.

The transportation is calculated based on the distance traveled by lorry and or ship from the French plant to all dealers through different warehouses in UE, United Kingdom of Great Britain and Northern Ireland, Algeria, Andora, Egypt, Israel, Luxembourg, Saudi Arabia, Switzerland.

PRODUCT USE AND MAINTENANCE (B1-B7)

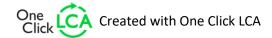
The use phase is not relevant for the life cycle emissions of this product and is, therefore, not accounted into the assessment.

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

PRODUCT END OF LIFE (C1-C4, D)

4

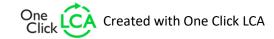
The product is considered to be dismantled by a power tool and energy use is estimated to be the same as in installation. It is assumed that the steel waste is collected separately and transported to the waste treatment facility. Transportation distance to waste treatment plant is assumed to be 100 km and the transportation method is assumed to be lorry (C2). Module C3 accounts for energy and resource inputs for sorting and treating steel for recycling. Landfilled material is included in module C4. Due to the material







recovery potential of the product and material and energy recovery potential of its packaging, recycled raw materials lead to avoided virgin material production and the energy recovered from incineration replaces electricity and heat from primary sources. Benefits and loads from incineration and recycling are included in Module D. For EoL, transport is assumed to be 50km according Eurostat & PSR-0014 v2 (2023)

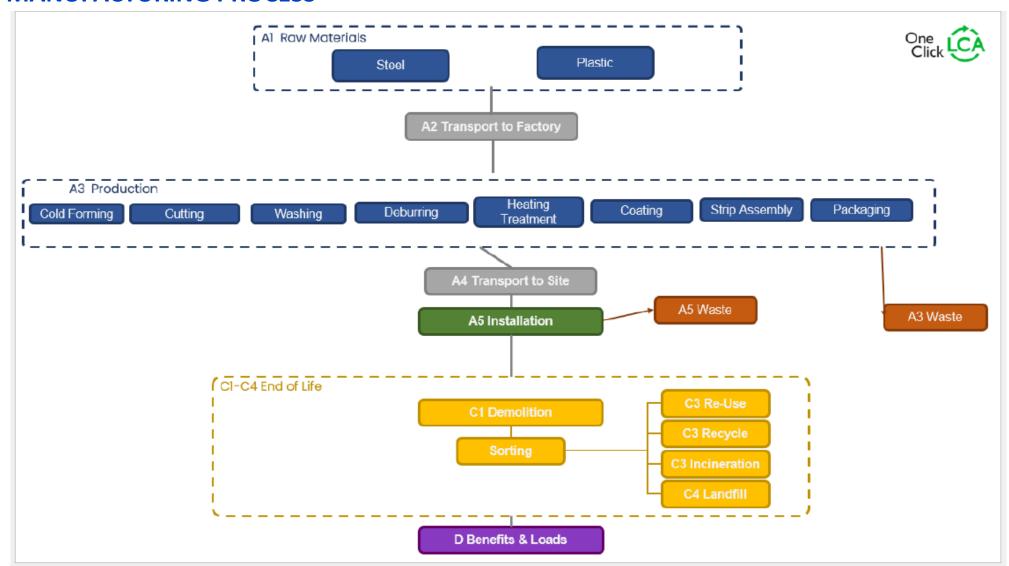


5





MANUFACTURING PROCESS



6





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.

VALIDATION OF DATA

Data collection for production, transport, and packaging was conducted using time and site-specific information, as defined in the general information section on page 1 and 2. Upstream process calculations rely on generic data as defined in the Bibliography section. Manufacturer-provided specific and generic data were used for the product's manufacturing stage. The analysis was performed in One Click LCA EPD Generator, with the 'Cut-Off, EN 15804+A2' allocation method, and characterization factors according to EN 15804:2012+A2:2019/AC:2021 and JRC EF 3.1.

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 material	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

PRODUCT & MANUFACTURING SITES GROUPING

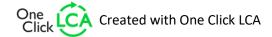
Type of grouping	No grouping
Grouping method	Not applicable
Variation in GWP-fossil for A1-A3, %	Not applicable

The raw material delivered to the factory is carbon steel drawn wire in coil of 600kg in diameter 3.0mm.

LCA SOFTWARE AND BIBLIOGRAPHY

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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 v3.10.1 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1 environmental data sources follow the methodology 'allocation, Cutoff, EN 15804+A2'.







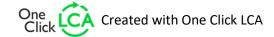
ENVIRONMENTAL IMPACT DATA

The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

CORE ENVIRONMENTAL IMPACT INDICATORS - EN 15804+A2, EF 3.1

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
GWP – total ¹⁾	kg CO₂e	2.16E+00	9.69E-02	8.58E-01	3.11E+00	2.77E-01	4.71E-01	MND	3.61E-03	3.82E-02	2.92E-01	6.49E-03	-1.83E+00						
GWP – fossil	kg CO ₂ e	2.15E+00	9.68E-02	1.15E+00	3.40E+00	2.77E-01	1.13E-02	MND	3.60E-03	3.81E-02	2.92E-01	6.50E-03	-1.65E+00						
GWP – biogenic	kg CO₂e	1.72E-03	2.02E-05	-3.06E-01	-3.04E-01	6.18E-05	4.59E-01	MND	3.68E-07	8.35E-06	-3.83E-05	-3.26E-06	-1.72E-01						
GWP – LULUC	kg CO₂e	1.45E-03	4.42E-05	1.21E-02	1.36E-02	1.25E-04	1.39E-05	MND	3.69E-07	1.69E-05	2.41E-05	7.79E-07	-7.85E-03						
Ozone depletion pot.	kg CFC- ₁₁ e	2.89E-08	1.43E-09	3.09E-08	6.12E-08	4.10E-09	1.39E-10	MND	5.52E-11	5.36E-10	2.68E-10	3.56E-11	-1.07E-08						
Acidification potential	mol H⁺e	2.33E-02	2.98E-04	6.13E-03	2.97E-02	6.95E-04	5.67E-05	MND	3.25E-05	1.27E-04	2.33E-04	9.13E-06	-9.03E-03						
EP-freshwater ²⁾	kg Pe	8.81E-04	7.66E-06	3.85E-04	1.27E-03	2.16E-05	3.91E-06	MND	1.04E-07	2.97E-06	1.13E-05	1.18E-07	-8.01E-04						
EP-marine	kg Ne	2.31E-03	9.11E-05	1.24E-03	3.63E-03	1.79E-04	4.98E-05	MND	1.51E-05	4.13E-05	6.53E-05	1.47E-05	-1.60E-03						
EP-terrestrial	mol Ne	8.51E-02	9.90E-04	1.11E-02	9.71E-02	1.94E-03	1.72E-04	MND	1.65E-04	4.49E-04	6.82E-04	3.77E-05	-1.71E-02						
POCP ("smog") ³)	kg NMVOCe	7.83E-03	4.32E-04	4.51E-03	1.28E-02	9.88E-04	5.88E-05	MND	4.93E-05	1.78E-04	1.93E-04	1.47E-05	-6.10E-03						
ADP-minerals & metals ⁴)	kg Sbe	6.11E-05	2.94E-07	1.38E-05	7.52E-05	8.94E-07	1.15E-07	MND	1.29E-09	1.24E-07	1.15E-06	2.40E-09	-8.13E-05						
ADP-fossil resources	MJ	3.23E+01	1.39E+00	4.78E+01	8.15E+01	3.91E+00	1.42E-01	MND	4.72E-02	5.36E-01	2.59E-01	3.03E-02	-1.77E+01						
Water use ⁵⁾	m³e depr.	7.00E-01	6.81E-03	1.59E+00	2.30E+00	1.85E-02	3.58E-03	MND	1.18E-04	2.50E-03	1.10E-02	1.11E-04	-5.64E-01						

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, EF 3.1

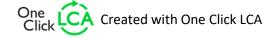
Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
Particulate matter	Incidence	2.80E-07	8.80E-09	6.77E-08	3.57E-07	2.20E-08	7.93E-10	MND	9.25E-10	3.08E-09	2.88E-09	2.07E-10	-1.17E-07						
Ionizing radiation ⁶⁾	kBq U235e	1.20E-01	1.20E-03	1.59E+00	1.71E+00	3.24E-03	1.50E-03	MND	2.09E-05	4.37E-04	2.01E-03	2.34E-05	-5.14E-03						
Ecotoxicity (freshwater)	CTUe	2.19E+01	2.09E-01	4.86E+00	2.70E+01	6.07E-01	8.46E-01	MND	2.60E-03	8.42E-02	1.98E-01	1.93E-02	-2.32E+01						
Human toxicity, cancer	CTUh	2.86E-09	1.61E-11	8.83E-10	3.76E-09	4.61E-11	5.96E-12	MND	3.71E-13	6.47E-12	2.52E-11	4.19E-13	-1.04E-09						
Human tox. non-cancer	CTUh	2.88E-08	8.89E-10	1.75E-08	4.72E-08	2.48E-09	3.39E-10	MND	5.87E-12	3.37E-10	1.40E-09	5.85E-11	-2.48E-08						
SQP ⁷⁾	-	6.74E+00	1.22E+00	2.25E+01	3.05E+01	2.69E+00	1.16E-01	MND	3.30E-03	3.37E-01	4.60E-01	6.40E-02	-1.60E+01						

6) EN 15804+A2 disclaimer for lonizing 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	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
Renew. PER as energy ⁸⁾	MJ	2.28E+00	1.95E-02	4.20E+00	6.51E+00	5.42E-02	-2.95E+00	MND	2.99E-04	7.36E-03	4.30E-02	3.64E-04	-5.59E+00						
Renew. PER as material	MJ	0.00E+00	0.00E+00	2.72E+00	2.72E+00	0.00E+00	-2.72E+00	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+00						
Total use of renew. PER	MJ	2.28E+00	1.95E-02	6.92E+00	9.22E+00	5.42E-02	-5.67E+00	MND	2.99E-04	7.36E-03	4.30E-02	3.64E-04	-3.93E+00						
Non-re. PER as energy	MJ	2.46E+01	1.39E+00	4.51E+01	7.11E+01	3.91E+00	1.14E-01	MND	4.72E-02	5.36E-01	-4.93E+00	-1.85E+00	-1.77E+01						
Non-re. PER as material	MJ	0.00E+00	0.00E+00	1.81E+00	1.81E+00	0.00E+00	-1.78E+00	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+00						
Total use of non-re. PER	MJ	2.46E+01	1.39E+00	4.69E+01	7.29E+01	3.91E+00	-1.67E+00	MND	4.72E-02	5.36E-01	-4.93E+00	-1.85E+00	-1.59E+01						
Secondary materials	kg	3.80E-01	6.12E-04	1.13E-01	4.93E-01	1.76E-03	1.14E-04	MND	1.96E-05	2.40E-04	4.39E-04	8.94E-06	8.10E-01						
Renew. secondary fuels	MJ	1.97E-04	7.79E-06	1.10E-02	1.12E-02	2.24E-05	1.34E-06	MND	5.12E-08	3.06E-06	1.34E-05	1.77E-07	-1.06E-04						
Non-ren. secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Use of net fresh water	m³	1.71E-02	2.02E-04	2.10E-02	3.83E-02	5.44E-04	-1.15E-04	MND	3.12E-06	7.17E-05	1.76E-04	-1.58E-04	-1.11E-02						

8) PER = Primary energy resources.







END OF LIFE – WASTE

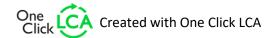
Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	7.08E-01	2.41E-03	1.78E-01	8.88E-01	6.81E-03	1.13E-03	MND	5.25E-05	9.33E-04	4.03E-03	4.13E-05	-4.62E-01						
Non-hazardous waste	kg	6.03E+00	4.49E-02	1.80E+00	7.88E+00	1.28E-01	3.13E-01	MND	7.15E-04	1.75E-02	1.56E-01	2.39E-01	-4.14E+00						
Radioactive waste	kg	3.04E-05	2.95E-07	4.55E-04	4.86E-04	7.95E-07	3.83E-07	MND	5.12E-09	1.07E-07	5.15E-07	5.72E-09	-2.49E-07						

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	C4	D
Components for re-use	kg	0.00E+00	0.00E+00	1.99E-02	1.99E-02	0.00E+00	0.00E+00	MND	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	8.26E-03	8.26E-03	0.00E+00	1.56E-01	MND	0.00E+00	0.00E+00	7.42E-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	MND	0.00E+00	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	2.02E-01	MND	0.00E+00	0.00E+00	1.40E+00	0.00E+00	0.00E+00						
Exported energy – Electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-01	MND	0.00E+00	0.00E+00	5.90E-01	0.00E+00	0.00E+00						
Exported energy – Heat	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-02	MND	0.00E+00	0.00E+00	8.10E-01	0.00E+00	0.00E+00						

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML

Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
Global Warming Pot.	kg CO₂e	2.14E+00	9.63E-02	1.13E+00	3.37E+00	2.75E-01	2.44E-02	MND	3.59E-03	3.79E-02	2.92E-01	6.24E-03	-1.64E+00						
Ozone depletion Pot.	kg CFC-11e	2.51E-08	1.14E-09	2.28E-08	4.91E-08	3.27E-09	1.13E-10	MND	4.37E-11	4.28E-10	2.22E-10	2.83E-11	-9.95E-09						
Acidification	kg SO₂e	1.48E-02	2.31E-04	4.97E-03	2.00E-02	5.52E-04	4.43E-05	MND	2.29E-05	9.75E-05	1.84E-04	6.77E-06	-7.49E-03						
Eutrophication	kg PO ₄ ³e	1.15E-02	5.60E-05	7.79E-04	1.23E-02	1.33E-04	2.61E-05	MND	5.34E-06	2.37E-05	3.20E-05	3.10E-06	-2.95E-03						
POCP ("smog")	kg C ₂ H ₄ e	8.54E-04	2.09E-05	4.05E-04	1.28E-03	5.25E-05	6.24E-06	MND	1.71E-06	8.73E-06	1.13E-05	1.44E-06	-8.75E-04						
ADP-elements	kg Sbe	6.08E-05	2.87E-07	1.33E-05	7.43E-05	8.73E-07	1.14E-07	MND	1.26E-09	1.21E-07	1.15E-06	2.34E-09	-8.12E-05						
ADP-fossil	MJ	3.03E+01	1.37E+00	1.57E+01	4.74E+01	3.86E+00	1.16E-01	MND	4.68E-02	5.30E-01	2.24E-01	2.99E-02	-1.78E+01						



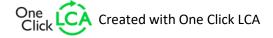




ADDITIONAL INDICATOR – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	C4	D
GWP-GHG ⁹⁾	kg CO₂e	2.15E+00	9.69E-02	1.16E+00	3.42E+00	2.77E-01	1.13E-02	MND	3.61E-03	3.82E-02	2.93E-01	6.50E-03	-1.65E+00						

⁹⁾ This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. In addition, the characterisation factors for the flows – CH4 fossil, CH4 biogenic and Dinitrogen monoxide – were updated. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterisation factor for biogenic CO2 is set to zero.







THIRD-PARTY VERIFICATION STATEMENT

EPD Hub declares that this EPD is verified in accordance with ISO 14025 by an independent, third-party verifier. The project report on the Life Cycle Assessment and the report(s) on features of environmental relevance are filed at EPD Hub. EPD Hub PCR and ECO Platform verification checklist are used.

EPD Hub is not able to identify any unjustified deviations from the PCR and EN 15802+A2 in the Environmental Product Declaration and its project report.

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.

The company-specific data and upstream and downstream data have been examined as regards plausibility and consistency. The publisher is responsible for ensuring the factual integrity and legal compliance of this declaration.

The software used in creation of this LCA and EPD is verified by EPD Hub to conform to the procedural and methodological requirements outlined in ISO 14025:2010, ISO 14040/14044, EN 15804+A2, and EPD Hub Core Product Category Rules and General Program Instructions.

Verified tools

Tool verifier: Magaly Gonzalez Vazquez

Tool verification validity: 27 March 2025 - 26 March 2028

Lucas Rodriguez, as an authorized verifier acting for EPD Hub Limited

29.07.2025





