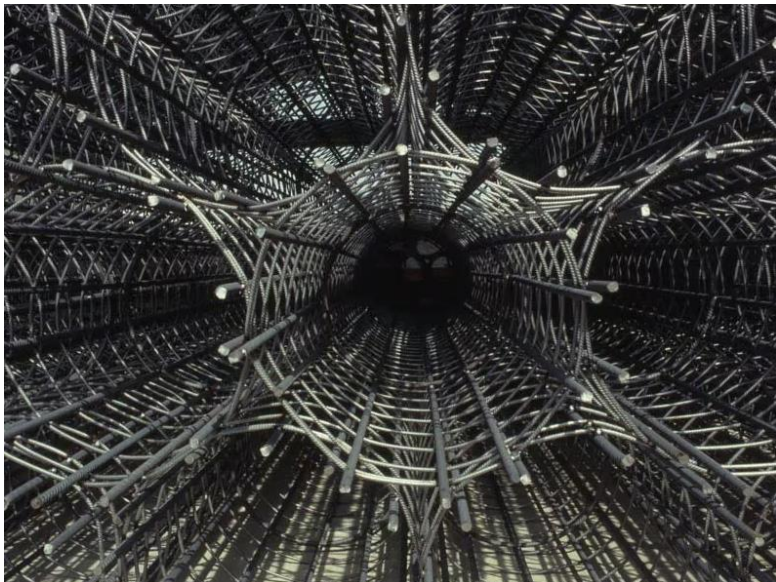


ENVIRONMENTAL PRODUCT DECLARATION

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

PRESAG
Sicilferro Torrenovese SRL



EPD HUB, HUB-1031

Published on 19.01.2024, last updated on 19.01.2024, valid until 19.01.2029.

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Sicilferro Torrenovese SRL
Address	Via Pietra di Roma, SNC
Contact details	info@sicilferro.it
Website	https://scfssystem.it/

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 1.0, 1 Feb 2022
Sector	Construction product
Category of EPD	Third party verified EPD
Scope of the EPD	Cradle to gate with options, A5, and modules C1-C4, D
EPD author	Mauro Scurria
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	Haiha Nguyen, 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	Acciaio presagomato, gabbie per pali ed armature preassemblate
Additional labels	Acciaio presagomato B450C
Product reference	PRESAG
Place of production	Torrenova (ME) - Italy
Period for data	2022
Averaging in EPD	No averaging
Variation in GWP-fossil for A1-A3	-

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 t
Declared unit mass	1000 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	8,10E+02
GWP-total, A1-A3 (kgCO ₂ e)	8,10E+02
Secondary material, inputs (%)	24.3
Secondary material, outputs (%)	85.0
Total energy use, A1-A3 (kWh)	3510.0
Total water use, A1-A3 (m ³ e)	6,62E+00

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Sicilferro Torrenovese SRL was founded in 1982, in Torrenova, along the northern coast of Sicily. Operating in the construction sector for two generations with an approach focused on the offer of innovative construction solutions, in 1998 the company started a new division, the SCF Sistemi Costruttivi Futuri with the industrial intent of proposing on the market a leading company in the EPS construction products sector. SCF developed EPS slabs, sheet, wall and ventilated crawlspace. The company is certified in according to UNI EN 1090-2:2018, UNI EN ISO 3834-1:2021, UNI EN ISO 9001:2015, UNI EN ISO 14001:2015, PAS 2060 Carbon Neutrality.

PRODUCT DESCRIPTION

Sicilferro Torrenovese SRL produce cut and bent hot rolled ribbed steel reinforcement bar for use in the reinforcement of concrete in the following sizes: 8 mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm.

Sicilferro has obtained authorization for PRESAG in according to the D.M. 14/01/2008.

RECYCLED MATERIAL IN THE PRODUCT

The steel used in the creation of the PRESAG comes entirely from an electric arc furnace, with a percentage of recycled material equal to 95%, in compliance with the Minimum Environmental Criteria (C.A.M.) according to the D.M. 23/06/2022. Steel suppliers have supplied appropriate certifications and assertions of the share of recycled steel used in the components sent to Sicilferro Torrenovese SRL. For the other steel components for which the possible recycled content is not known, was used a dataset of average European production of structural steel from Ecoinvent.

LCA INFORMATION

This LCA study includes the provision of all materials, transportation, energy and emission flows, and end of life processing of product. The use phase is not covered, assuming there are no use emissions or replacements. For easier modelling and because of lack of accuracy in available modelling resources, some constituents under 1% of product mass are excluded. These include some materials which are used in the product manufacturing only in very small amounts and have a negligible impact on the emissions of the product, for example grease and lubricating oil consumed at plant.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy and water use related to company management and sales activities are excluded.

Further information can be found at <https://scfssystem.it/>.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass- %	Material origin
Metals	100	Europe
Minerals	-	-
Fossil materials	-	-
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

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 t
Mass per declared unit	1000 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	MND	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	Transport	Waste processing	Disposal	Recycling
																Recovery
																Reuse

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.

Sicilferro Torrenovese SRL purchase steel from suppliers that use the EAF process method (electric arc furnace), the recycled content of the secondary materials in input as raw materials is 95,00% calculated from the average of purchases made in 2022, taking into consideration the % of recycled content of each steel mill. The processing of the iron purchased by Sicilferro consists of cutting and bending in according to the project specifications. During this phase we have a production loss equal to 1,22% in weight due to waste from the cutting process, which is entirely recovered for recycling. Metal scraps are collected and sent to a waste facility located 200 km from the manufacturing site for recycling.

No packaging materials are used as the materials are supplied without.

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 phase is not object of the analysis. In the assembly stage there is no request for materials.

PRODUCT USE AND MAINTENANCE (B1-B7)

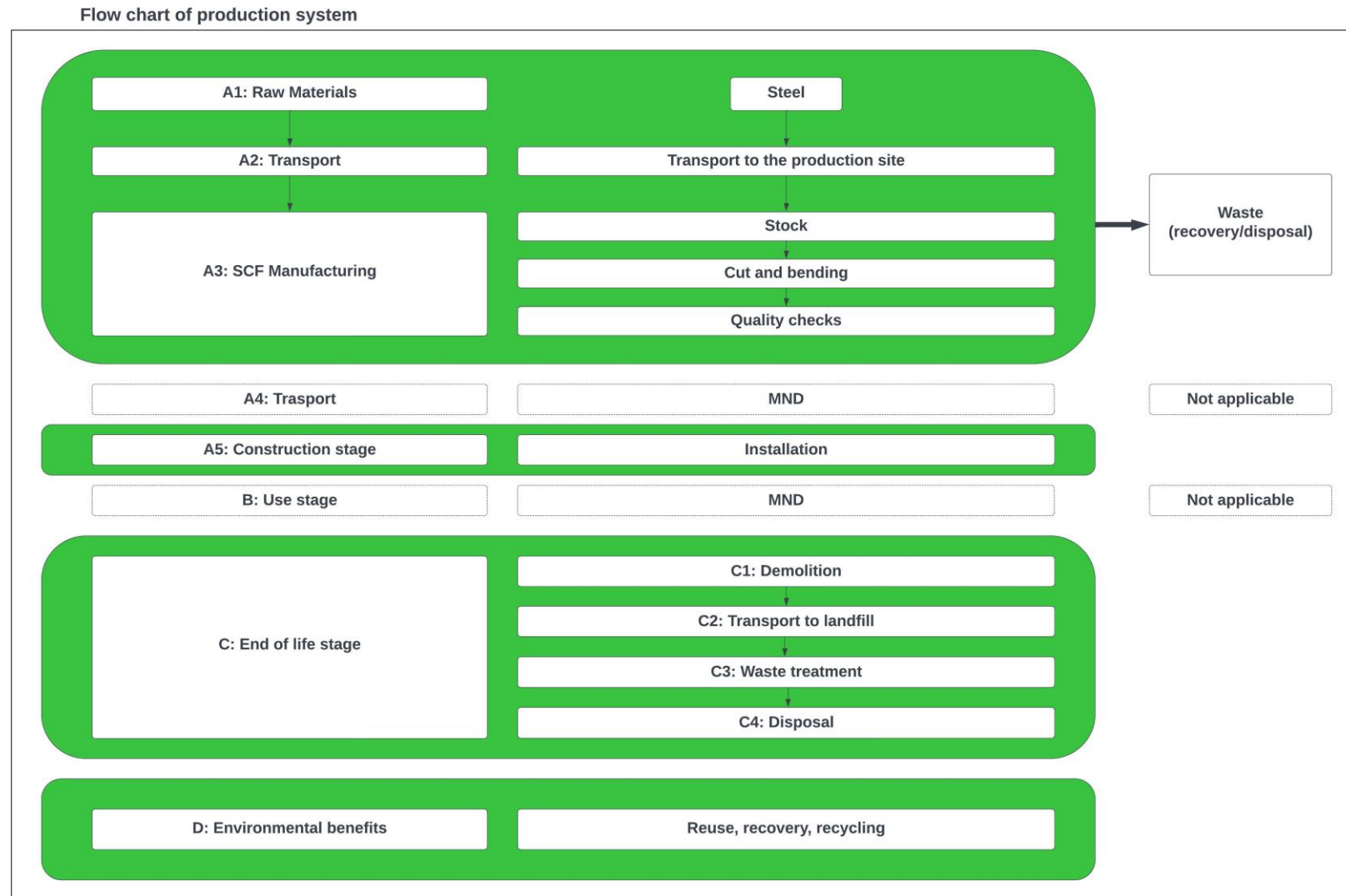
This EPD does not cover the use phase.

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

PRODUCT END OF LIFE (C1-C4, D)

Demolition is assumed to consume 0,01 kWh/kg of product. The source of energy is diesel fuel used by construction machines (C1). The distance for transportation to disposal is assumed as 200 km and the transportation method is assumed to be lorry (C2). The EOL of steel is assumed to be recycled based on World Steel Association by 85%; it is assumed that the remaining 15% of steel is taken to landfill for final disposal (C3, C4). Module D includes the benefits due to the steel recycling.

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	Not applicable
Ancillary materials	Not applicable
Manufacturing energy and waste	Allocation mass or volume

AVERAGES AND VARIABILITY

Type of average	No averaging
Averaging method	Not applicable
Variation in GWP-fossil for A1-A3	-

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

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. Ecoinvent v3.8 and One Click LCA databases were used 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 – total ¹⁾	kg CO ₂ e	7,25E+02	7,72E+01	7,58E+00	8,10E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,31E+00	4,29E+01	1,87E+01	7,91E-01	-6,84E+01
GWP – fossil	kg CO ₂ e	7,26E+02	7,71E+01	7,48E+00	8,10E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,31E+00	4,29E+01	1,86E+01	7,90E-01	-6,83E+01
GWP – biogenic	kg CO ₂ e	-7,40E-01	2,73E-02	1,01E-01	-6,11E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	6,06E-04	1,94E-02	8,25E-02	5,15E-04	-1,28E-02
GWP – LULUC	kg CO ₂ e	3,65E-01	3,61E-02	3,07E-03	4,04E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,30E-04	2,02E-02	2,44E-02	7,46E-04	-1,09E-02
Ozone depletion pot.	kg CFC ₁₁ e	7,50E-05	1,71E-05	9,74E-07	9,31E-05	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	7,07E-07	9,64E-06	2,30E-06	3,20E-07	-2,66E-06
Acidification potential	mol H ⁺ e	3,22E+00	9,43E-01	4,05E-02	4,20E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,44E-02	1,70E-01	2,36E-01	7,43E-03	-2,80E-01
EP-freshwater ²⁾	kg Pe	0,00E+00	4,60E-04	2,51E-04	7,11E-04	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,10E-05	3,49E-04	9,98E-04	8,28E-06	-2,81E-03
EP-marine	kg Ne	6,76E-01	2,46E-01	6,51E-03	9,29E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,52E-02	4,91E-02	4,99E-02	2,57E-03	-5,73E-02
EP-terrestrial	mol Ne	7,49E+00	2,73E+00	7,38E-02	1,03E+01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,67E-01	5,42E-01	5,77E-01	2,83E-02	-6,68E-01
POCP (“smog”) ³⁾	kg NMVOCe	2,57E+00	7,40E-01	2,11E-02	3,33E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,59E-02	1,67E-01	1,59E-01	8,23E-03	-3,41E-01
ADP-minerals & metals ⁴⁾	kg Sbe	1,86E-04	2,23E-04	1,45E-04	5,55E-04	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,68E-06	1,99E-04	2,51E-03	1,82E-06	-1,31E-03
ADP-fossil resources	MJ	5,75E+03	1,09E+03	1,09E+02	6,95E+03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,45E+01	6,28E+02	2,52E+02	2,17E+01	-5,93E+02
Water use ⁵⁾	m ³ e depr.	4,16E+02	4,55E+00	4,73E+00	4,25E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,20E-01	3,29E+00	4,89E+00	6,87E-02	-1,24E+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, 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	2,20E-05	5,43E-06	2,34E-07	2,77E-05	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	9,22E-07	3,19E-06	3,09E-06	1,50E-07	-4,54E-06
Ionizing radiation ⁶⁾	kBq U235e	1,15E+01	5,55E+00	9,70E-01	1,80E+01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,05E-01	3,40E+00	2,81E+00	9,80E-02	2,47E+00
Ecotoxicity (freshwater)	CTUe	8,89E+03	8,51E+02	1,32E+02	9,87E+03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,68E+01	5,45E+02	1,14E+03	1,41E+01	-2,44E+03
Human toxicity, cancer	CTUh	1,36E-06	3,33E-08	3,89E-09	1,40E-06	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,03E-09	1,91E-08	3,50E-08	3,53E-10	5,81E-07
Human tox. non-cancer	CTUh	9,45E-06	7,98E-07	1,41E-07	1,04E-05	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,94E-08	5,34E-07	1,56E-06	9,24E-09	-1,64E-06
SQP ⁷⁾	-	7,52E+02	6,11E+02	2,85E+01	1,39E+03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,79E+00	3,78E+02	5,08E+02	4,63E+01	-2,14E+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 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	5,98E+02	1,35E+01	7,50E+01	6,87E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,54E-01	1,08E+01	4,47E+01	1,88E-01	-4,99E+01
Renew. PER as material	MJ	2,50E+00	0,00E+00	0,00E+00	2,50E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renew. PER	MJ	6,01E+02	1,35E+01	7,50E+01	6,89E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,54E-01	1,08E+01	4,47E+01	1,88E-01	-4,99E+01
Non-re. PER as energy	MJ	1,07E+04	1,09E+03	1,09E+02	1,19E+04	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,45E+01	6,29E+02	2,52E+02	2,17E+01	-5,93E+02
Non-re. PER as material	MJ	7,54E+01	0,00E+00	0,00E+00	7,54E+01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-re. PER	MJ	1,08E+04	1,09E+03	1,09E+02	1,20E+04	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,45E+01	6,29E+02	2,52E+02	2,17E+01	-5,93E+02
Secondary materials	kg	2,43E+02	3,89E-01	3,26E-02	2,44E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,74E-02	2,58E-01	2,81E-01	4,55E-03	3,95E+01
Renew. secondary fuels	MJ	0,00E+00	3,34E-03	8,64E-04	4,21E-03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,70E-05	2,98E-03	1,46E-02	1,19E-04	-6,32E-03
Non-ren. secondary fuels	MJ	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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	6,37E+00	1,20E-01	1,36E-01	6,62E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,70E-03	8,83E-02	1,48E-01	2,37E-02	-1,43E-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	7,42E+01	1,27E+00	6,54E-01	7,62E+01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,96E-02	8,18E-01	1,71E+00	0,00E+00	-2,29E+01
Non-hazardous waste	kg	1,17E+03	1,92E+01	1,11E+01	1,20E+03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,19E-01	1,48E+01	5,47E+01	1,50E+02	-1,12E+02
Radioactive waste	kg	1,08E-02	7,60E-03	3,22E-04	1,87E-02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,13E-04	4,29E-03	1,48E-03	0,00E+00	1,97E-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 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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	1,18E+02	0,00E+00	0,00E+00	1,18E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	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	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	8,50E+02	0,00E+00	0,00E+00
Exported energy	MJ	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	0,00E+00	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	6,65E+02	7,65E+01	7,35E+00	7,49E+02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	3,27E+00	4,25E+01	1,83E+01	7,74E-01	-6,47E+01
Ozone depletion Pot.	kg CFC ₁₁ e	3,88E-05	1,36E-05	8,50E-07	5,32E-05	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,60E-07	7,65E-06	1,86E-06	2,53E-07	-2,97E-06
Acidification	kg SO ₂ e	2,61E+00	7,48E-01	3,38E-02	3,39E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	2,45E-02	1,33E-01	1,91E-01	5,61E-03	-2,26E-01
Eutrophication	kg PO ₄ ³ e	1,22E+00	1,04E-01	1,52E-02	1,34E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,69E-03	3,13E-02	6,30E-02	1,21E-03	-1,16E-01
POCP ("smog")	kg C ₂ H ₄ e	2,85E-01	2,17E-02	1,61E-03	3,09E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	5,36E-04	5,62E-03	7,22E-03	2,35E-04	-3,90E-02
ADP-elements	kg Sbe	6,21E-03	2,18E-04	1,45E-04	6,57E-03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	1,65E-06	1,95E-04	2,50E-03	1,79E-06	-1,30E-03
ADP-fossil	MJ	8,36E+03	1,09E+03	1,09E+02	9,56E+03	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	4,45E+01	6,28E+02	2,52E+02	2,17E+01	-5,93E+02

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.

HaiHa Nguyen, as an authorized verifier acting for EPD Hub Limited
19.01.2024

