



ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

CM Optimal

Combimix



EPD HUB, HUB-3927

Publishing date 12 September 2025, last updated on 11 November 2025, valid until 10 September 2030.

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.



Created with One Click LCA



GENERAL INFORMATION

MANUFACTURER

Manufacturer	Combimix
Address	Verkstadvägen 6, 746 40 Bålsta, Sverige
Contact details	miljo@combimix.se
Website	https://www.combimix.com/se/

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804:2012+A2:2019/AC:2021 and ISO 14025
PCR	EPD Hub Core PCR Version 1.1, 5 Dec 2023
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	Ebba Hultman, Combimix AB
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	Dusan Vukovic, as an authorized verifier acting for EPD Hub Limited

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.

PRODUCT

Product name	CM Optimal
Product reference	60003, 60005, 60009
Place(s) of raw material origin	Sweden, Europa
Place of production	Backamo & Bålsta, Sweden
Period for data	10/2023 - 9/2024
Averaging in EPD	Multiple factories
Variation in GWP-fossil for A1-A3 (%)	±5,59
A1-A3 Specific data (%)	83

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	1,83E-01
GWP-total, A1-A3 (kgCO ₂ e)	1,81E-01
Secondary material, inputs (%)	11,6
Secondary material, outputs (%)	70,3
Total energy use, A1-A3 (kWh)	0,56
Net freshwater use, A1-A3 (m ³)	0,01

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Combimix develops and manufactures mineral-based products for the construction industry. The assortments includes products for floor leveling, facade plastering, masonry, casting, concrete renovation and restoration mortar for cultural buildings.

PRODUCT DESCRIPTION

CM Optimal is a pumpable, self-leveling screed suitable for new construction, renovation and underfloor heating constructions. The product is intended for indoor use on substrates of concrete, lightweight concrete, tiles, floor plaster and wood.

Further information can be found at:
<https://www.combimix.com/se/>

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	-	-
Minerals	100	Europa
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	0,0006

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg
Mass per declared unit	1 kg

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 product stage (A1-A3) encompasses environmental impacts from the production of raw materials, packaging materials, and ancillary materials used in manufacturing. This stage also includes fuel consumption by machinery and the management of production waste at manufacturing facilities. The study also considers material losses occurring during the manufacturing processes as well as losses during electricity transmission.

Raw materials originate from Swedish and European suppliers. Primary raw materials consist of sand, cement, and filler materials. European materials

are transported to Sweden via truck and ship, followed by truck distribution to production facilities throughout Sweden.

The manufacturing process comprises raw material production, factory transport, blending, and packaging. During blending, all raw materials are added to mixing vessels where they are mixed together. Products are subsequently packaged based on customer requirements in three formats: small bags, big bags or bulk delivery.

TRANSPORT AND INSTALLATION (A4-A5)

Environmental impact from transport to construction site (A4) includes direct emissions from fuel combustion, emissions from fuel production, and infrastructure-related emissions. The product is delivered from factory to customer by truck at full capacity utilization. For installation (A5), tap water is used.

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.

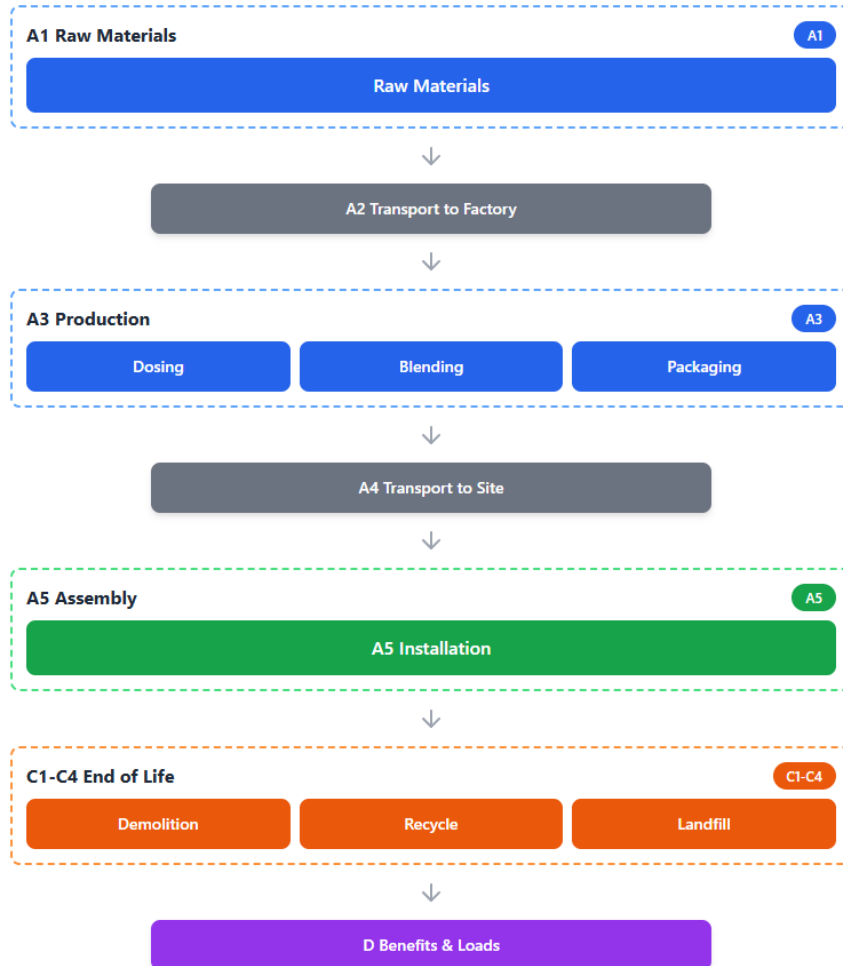
PRODUCT END OF LIFE (C1-C4, D)

At the end of life, demolition is carried out mechanically (C1) using construction machinery. The demolition process consumes diesel fuel. The demolished material is collected and sorted as construction waste.

All end-of-life product is transported to the closest waste treatment facilities (C2). In the waste processing stage (C3), concrete is crushed and sorted at the waste treatment plant. The majority of the material is directed to recycling, while a portion is sent to landfill (C4).

Due to the recycling potential, environmental benefits from material recovery are reported separately in module D.

MANUFACTURING PROCESS



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any mandatory modules or processes according to the standard and PCR. The study includes all hazardous materials and substances. All significant raw material and energy consumption is included. All inputs and outputs for which data is available are included in the calculation. No single excluded process is greater than 1% of total mass or energy flows. Total excluded flows per module are also not greater than 5% of energy or mass.

Production of machinery and equipment, buildings, infrastructure, maintenance, personnel activities, and energy and water for offices and sales are not included in the study.

VALIDATION OF DATA

Data collection for production and transport is from 2024 production at the facilities in Bålsta and Backamo. For upstream processes, generic data from Ecoinvent v3.10.1/3.11 and One Click LCA databases is used. 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.

Data quality has been assessed for the most important materials that together account for the majority of environmental impact. Cement: European production data from 2020-2023. Sand and aggregates: Swedish quarry data from 2023-2024. Transport of raw materials: actual transport distances and 2024 data. Electricity for production: actual electricity consumption 2024 and Swedish electricity mix. Additives: European production data from Ecoinvent.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation follows the reference standards and PCR as follows:

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

PRODUCT & MANUFACTURING SITES GROUPING

Type of grouping	Multiple factories
Grouping method	Based on average results of product group - by total mass
Variation in GWP-fossil for A1-A3, %	±5,59

This EPD represents a weighted average from our two production facilities in Bålsta and Backamo. Climate impact varies by approximately ±5,59% (GWP-fossil A1-A3) between factories due to differences in energy consumption and transport distances. This complies with GPI 2.9.

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 v3.10.1/3.11 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11 environmental data sources follow the methodology 'allocation, Cut-off, 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	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	1,25E-01	5,50E-02	1,19E-03	1,81E-01	2,89E-02	3,31E-03	MND	MND	MND	MND	MND	MND	MND	3,61E-03	1,14E-02	3,63E-03	2,19E-03	-1,32E-02
GWP – fossil	kg CO ₂ e	1,25E-01	5,49E-02	3,12E-03	1,83E-01	2,89E-02	8,79E-04	MND	MND	MND	MND	MND	MND	MND	3,60E-03	1,14E-02	3,63E-03	2,18E-03	-1,27E-02
GWP – biogenic	kg CO ₂ e	-1,14E-04	1,10E-05	-1,94E-03	-2,05E-03	6,43E-06	2,43E-03	MND	MND	MND	MND	MND	MND	MND	3,68E-07	2,26E-06	-3,71E-07	-6,95E-07	-4,67E-04
GWP – LULUC	kg CO ₂ e	1,89E-04	2,26E-05	8,80E-06	2,20E-04	1,31E-05	1,97E-07	MND	MND	MND	MND	MND	MND	MND	3,69E-07	4,03E-06	3,72E-07	1,25E-06	-8,76E-06
Ozone depletion pot.	kg CFC ₋₁₁ e	3,08E-09	9,65E-10	9,14E-11	4,13E-09	4,28E-10	1,85E-12	MND	MND	MND	MND	MND	MND	MND	5,52E-11	2,27E-10	5,56E-11	6,33E-11	-1,20E-10
Acidification potential	mol H ⁺ e	4,52E-04	3,65E-04	1,62E-05	8,33E-04	6,61E-05	7,21E-07	MND	MND	MND	MND	MND	MND	MND	3,25E-05	3,57E-05	3,28E-05	1,55E-05	-7,62E-05
EP-freshwater ²⁾	kg Pe	2,88E-05	3,56E-06	9,90E-07	3,33E-05	2,26E-06	5,08E-08	MND	MND	MND	MND	MND	MND	MND	1,04E-07	7,57E-07	1,05E-07	1,80E-07	-4,18E-06
EP-marine	kg Ne	1,34E-04	9,46E-05	2,94E-06	2,32E-04	1,53E-05	4,84E-07	MND	MND	MND	MND	MND	MND	MND	1,51E-05	1,20E-05	1,52E-05	5,91E-06	-1,80E-05
EP-terrestrial	mol Ne	1,54E-03	1,04E-03	4,01E-05	2,62E-03	1,66E-04	2,27E-06	MND	MND	MND	MND	MND	MND	MND	1,65E-04	1,31E-04	1,67E-04	6,45E-05	-2,16E-04
POCP (“smog”) ³⁾	kg NMVOce	4,30E-04	3,71E-04	1,56E-05	8,17E-04	9,26E-05	7,27E-07	MND	MND	MND	MND	MND	MND	MND	4,93E-05	5,59E-05	4,97E-05	2,31E-05	-6,21E-05
ADP-minerals & metals ⁴⁾	kg Sbe	2,56E-06	1,55E-07	2,50E-08	2,74E-06	9,66E-08	6,82E-10	MND	MND	MND	MND	MND	MND	MND	1,29E-09	3,73E-08	1,30E-09	3,47E-09	-6,76E-08
ADP-fossil resources	MJ	1,14E+00	7,65E-01	1,12E-01	2,02E+00	4,06E-01	1,89E-03	MND	MND	MND	MND	MND	MND	MND	4,72E-02	1,60E-01	4,75E-02	5,36E-02	-1,63E-01
Water use ⁵⁾	m ³ e depr.	2,12E-01	3,57E-03	1,13E-02	2,27E-01	1,90E-03	6,62E-05	MND	MND	MND	MND	MND	MND	MND	1,18E-04	7,87E-04	1,19E-04	1,55E-04	-1,76E-02

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	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	3,69E-09	4,10E-09	1,56E-10	7,95E-09	2,15E-09	9,59E-12	MND	MND	MND	MND	MND	MND	MND	9,25E-10	8,97E-10	7,10E-09	3,53E-10	-1,13E-09
Ionizing radiation ⁶⁾	kBq 11235e	8,52E-01	8,03E-04	2,54E-03	8,55E-01	3,32E-04	2,32E-05	MND	MND	MND	MND	MND	MND	MND	2,09E-05	2,04E-04	2,10E-05	3,37E-05	-1,08E-03
Ecotoxicity (freshwater)	CTUe	4,27E-01	9,75E-02	2,95E-02	5,54E-01	6,45E-02	1,17E-03	MND	MND	MND	MND	MND	MND	MND	2,60E-03	2,10E-02	2,62E-03	4,50E-03	-3,58E-02
Human toxicity, cancer	CTUh	6,07E-11	9,55E-12	2,71E-12	7,30E-11	4,83E-12	1,36E-13	MND	MND	MND	MND	MND	MND	MND	3,71E-13	1,94E-12	3,73E-13	4,03E-13	-3,30E-12
Human tox. non-cancer	CTUh	1,02E-09	4,47E-10	3,26E-11	1,50E-09	2,56E-10	6,10E-12	MND	MND	MND	MND	MND	MND	MND	5,87E-12	1,01E-10	5,91E-12	9,25E-12	-9,77E-11
SQP ⁷⁾	-	7,93E-01	5,01E-01	1,76E-01	1,47E+00	2,46E-01	1,16E-03	MND	MND	MND	MND	MND	MND	MND	3,30E-03	9,54E-02	3,33E-03	1,06E-01	-1,80E-01

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	9,50E-02	1,15E-02	3,46E-02	1,41E-01	5,64E-03	-2,06E-02	MND	MND	MND	MND	MND	MND	MND	2,99E-04	2,77E-03	3,01E-04	5,18E-04	-1,88E-02
Renew. PER as material	MJ	2,44E-03	0,00E+00	1,85E-02	2,09E-02	0,00E+00	-2,09E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,61E-03
Total use of renew. PER	MJ	9,75E-02	1,15E-02	5,31E-02	1,62E-01	5,64E-03	-4,15E-02	MND	MND	MND	MND	MND	MND	MND	2,99E-04	2,77E-03	3,01E-04	5,18E-04	-1,32E-02
Non-re. PER as energy	MJ	9,92E-01	7,65E-01	8,53E-02	1,84E+00	4,06E-01	-2,28E-02	MND	MND	MND	MND	MND	MND	MND	4,72E-02	1,60E-01	4,75E-02	5,36E-02	-1,63E-01
Non-re. PER as material	MJ	1,49E-01	0,00E+00	-1,22E-01	2,70E-02	0,00E+00	-2,70E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,04E-02
Total use of non-re. PER	MJ	1,14E+00	7,65E-01	-3,68E-02	1,87E+00	4,06E-01	-4,98E-02	MND	MND	MND	MND	MND	MND	MND	4,72E-02	1,60E-01	4,75E-02	5,36E-02	-1,53E-01
Secondary materials	kg	1,16E-01	3,47E-04	3,85E-04	1,16E-01	1,85E-04	5,17E-06	MND	MND	MND	MND	MND	MND	MND	1,96E-05	7,34E-05	1,97E-05	1,35E-05	3,52E-04
Renew. secondary fuels	MJ	1,11E-02	3,88E-06	5,32E-04	1,16E-02	2,36E-06	1,47E-08	MND	MND	MND	MND	MND	MND	MND	5,12E-08	9,27E-07	5,16E-08	2,79E-07	-1,12E-06
Non-ren. secondary fuels	MJ	1,80E-02	0,00E+00	0,00E+00	1,80E-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
Use of net fresh water	m ³	6,40E-03	9,98E-05	1,02E-04	6,60E-03	5,55E-05	1,79E-04	MND	MND	MND	MND	MND	MND	MND	3,12E-06	2,16E-05	3,14E-06	5,58E-05	-4,21E-04

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	9,52E-04	1,15E-03	2,30E-04	2,34E-03	7,12E-04	1,99E-05	MND	MND	MND	MND	MND	MND	MND	5,25E-05	2,30E-04	5,29E-05	5,92E-05	-1,14E-03
Non-hazardous waste	kg	3,63E-02	2,23E-02	1,59E-02	7,45E-02	1,34E-02	5,29E-03	MND	MND	MND	MND	MND	MND	MND	7,15E-04	4,85E-03	7,21E-04	1,35E-03	-2,59E-02
Radioactive waste	kg	1,23E-05	1,99E-07	9,24E-07	1,34E-05	8,13E-08	5,93E-09	MND	MND	MND	MND	MND	MND	MND	5,12E-09	5,08E-08	5,16E-09	8,22E-09	-2,62E-07

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	3,85E-06	0,00E+00	2,80E-04	2,84E-04	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	3,83E-06	0,00E+00	0,00E+00	3,83E-06	0,00E+00	9,10E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	8,30E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	1,38E-05	0,00E+00	0,00E+00	1,38E-05	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
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,38E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+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	2,25E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	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	3,13E-03	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

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	1,22E-01	5,46E-02	3,15E-03	1,80E-01	2,87E-02	9,42E-04	MND	MND	MND	MND	MND	MND	MND	3,59E-03	1,13E-02	3,61E-03	2,16E-03	-1,26E-02
Ozone depletion Pot.	kg CFC ₁₁ e	3,25E-09	7,69E-10	7,55E-11	4,09E-09	3,42E-10	1,53E-12	MND	MND	MND	MND	MND	MND	MND	4,37E-11	1,81E-10	4,41E-11	5,03E-11	-1,00E-10
Acidification	kg SO ₂ e	3,68E-04	2,90E-04	1,26E-05	6,70E-04	5,33E-05	5,62E-07	MND	MND	MND	MND	MND	MND	MND	2,29E-05	2,71E-05	2,31E-05	1,15E-05	-5,92E-05
Eutrophication	kg PO ₄ ³ e	2,37E-04	4,47E-05	3,99E-05	3,22E-04	1,27E-05	2,04E-07	MND	MND	MND	MND	MND	MND	MND	5,34E-06	6,90E-06	5,39E-06	3,64E-06	-1,19E-05
POCP (“smog”)	kg C ₂ H ₄ e	2,22E-05	1,89E-05	1,64E-06	4,27E-05	5,17E-06	6,16E-08	MND	MND	MND	MND	MND	MND	MND	1,71E-06	2,58E-06	1,73E-06	1,08E-06	-5,29E-06
ADP-elements	kg Sbe	6,29E-07	1,51E-07	2,46E-08	8,05E-07	9,43E-08	6,53E-10	MND	MND	MND	MND	MND	MND	MND	1,26E-09	3,65E-08	1,27E-09	3,40E-09	-6,66E-08
ADP-fossil	MJ	1,02E+00	7,51E-01	1,06E-01	1,88E+00	4,01E-01	1,49E-03	MND	MND	MND	MND	MND	MND	MND	4,68E-02	1,57E-01	4,72E-02	5,31E-02	-1,46E-01

ADDITIONAL INDICATOR – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG ⁹⁾	kg CO ₂ e	1,25E-01	5,50E-02	3,13E-03	1,83E-01	2,89E-02	8,79E-04	MND	MND	MND	MND	MND	MND	MND	3,61E-03	1,14E-02	3,63E-03	2,19E-03	-1,27E-02

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.

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.

Dusan Vukovic, as an authorized verifier acting for EPD Hub Limited
21.11.2025

