



ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Cement concrete S 100
Fescon Oy



EPD HUB, HUB-7889

Published on 27.10.2026, last updated on 27.10.2026, valid until 26.10.2031

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

Manufacturer	Fescon Oy
Address	Hämeenkatu 9A, 05800 Hyvinkää, Finland
Contact details	fescon@fescon.fi
Website	www.fescon.fi

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 1.2, 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	Olli-Pekka Jaakkola, Fescon Oy
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	Elma Avdyli as an authorized verifier for EPD Hub

This EPD is intended for business-to-business 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	Cement concrete S 100
Additional labels	-
Product reference	33021, 53021
Place(s) of raw material origin	Finland
Place of production	Fescon Oy, Hikiäntie 1336, 05820 Hyvinkää, Finland
Place(s) of installation and use	Finland
Period for data	2024
Averaging in EPD	No grouping
Variation in GWP-fossil for A1-A3 (%)	-
GTIN (Global Trade Item Number)	-
NOBB (Norwegian Building Product Database)	-
A1-A3 Specific data (%)	93,5

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg
Declared unit mass	1 kg
Mass of packaging	0,00247 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	0,13
GWP-total, A1-A3 (kgCO ₂ e)	0,13
Secondary material, inputs (%)	3,47
Total energy use, A1-A3 (kWh)	0,32
Net freshwater use, A1-A3 (m ³)	0

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Fescon is Finland's largest developer and manufacturer of mortar, sand, and coating products and a solution provider for the construction industry.

PRODUCT DESCRIPTION

Cement concrete S 100 is a CE-marked, factory-produced, ready-to-use dry concrete that meets quality and strength requirements. Complies with the concrete standard SFS EN 206-1 with a compressive strength class of C 20/25 and a maximum aggregate size of 10 mm.

Applications:

Foundations

Stairs

Footings

Floors

Recommended minimum layer thickness: 30 mm

Further information can be found at:

www.fescon.fi

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	-	-
Minerals	100	FIN
Fossil materials	-	-
Bio-based materials	-	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	-
Biogenic carbon content in packaging, kg C	0,00073

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg
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	ND	ND	ND	ND	ND	ND	ND	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

Not declared = ND

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.

A market-based approach is used in modelling the electricity mix utilized in the factory.

The product is manufactured by adding the raw materials together and mixing them as a dry blend, forming a high quality concrete. Following this process, the mix is packaged in large plastic bags (1000kg) or small bags. (25kg) Eventually, the product is moved out and transported to the construction site.

The manufacturing processes comply with the quality standard ISO 9001:2015, environmental standard ISO 14001:2025, and occupational health and safety standard ISO 45001:2018. The provisions outlined in the relevant regulations are adhered to. Waste formed in the manufacture is sent to a licensed waste management provider.

The use of green energy in manufacturing is demonstrated through contractual instruments (GOs, RECs, etc.), and its use is ensured throughout the validity period of this EPD.

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.

Average distance of transportation from production plant to building site is calculated as 108 km and the transportation method is assumed to be lorry. Vehicle capacity utilization volume factor is assumed to be 100 % which means full load. In reality, it may vary but as role of transportation emissions in total results is small, the variety in load is assumed to be negligible. Empty returns are not taken into account as it is assumed that return trip is used by the transportation company to serve other needs. Transportation does not cause losses as product are packaged properly. Also, volume capacity utilisation factor is assumed to be 100 % for the packaged products.

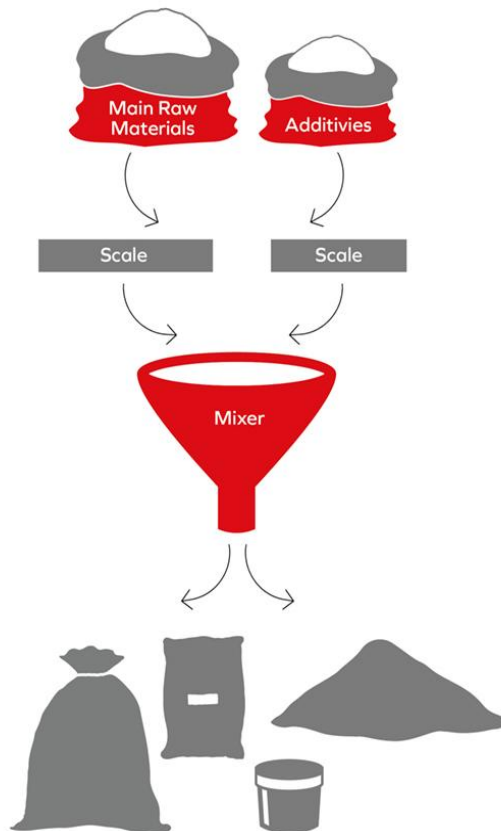
The concrete is mixed with water at the installation site and no material loss is assumed to happen during installation. The installation is done by different kinds of machines and thus the energy consumption is deemed negligible.

PRODUCT END OF LIFE (C1-C4, D)

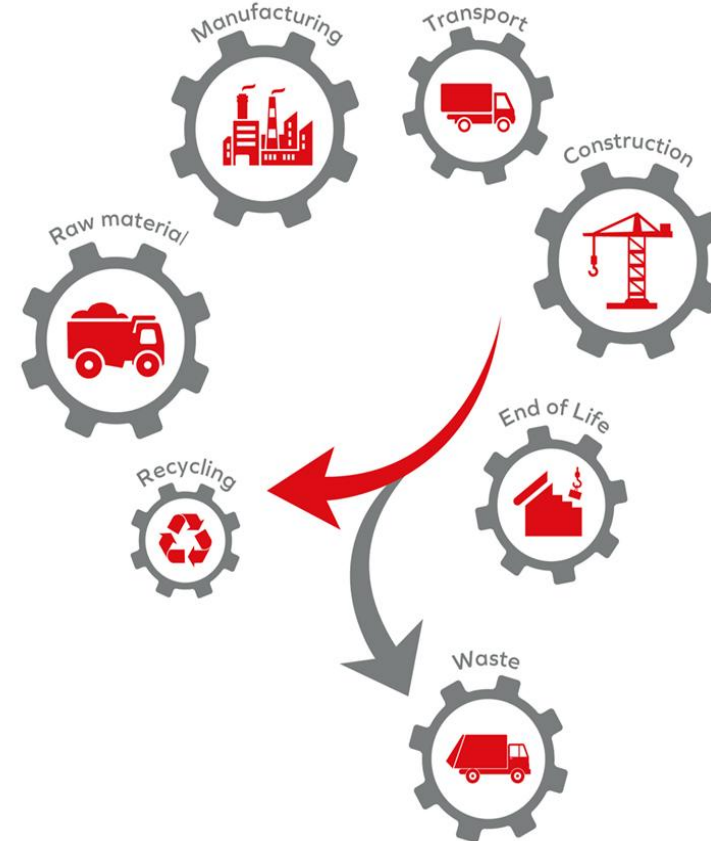
At the end-of-life, in the demolition phase 100% of the waste is assumed to be collected as mixed construction waste. The demolition process consumes energy in the form of diesel fuel used by building machines. Energy consumption of the demolition process is assumed to be 0.01 kWh/kg. The demolished concrete is delivered to the nearest construction waste treatment plant. It is estimated that there is no mass loss during the use of the product, therefore the end-of-life product is assumed that it has the same weight as the declared product. Transportation distance to the closest disposal area is estimated as 50 km and the transportation method is lorry which is the most common. At the waste treatment plant, waste that can be reused, recycled or recovered for energy is separated and diverted for further use. At the beginning of 2020 waste restrictions in Finland were tightened and the amount of waste going to landfill is restricted compared to the last years, so it can be assumed that 100% of concrete is transported to a waste treatment plant. A realistic assumption is made about 80% of concrete being recycled. The process losses of the waste treatment plant are assumed to be negligible. The remaining 20% of concrete is sent to landfill (C4). Benefits included in Module D are obtained from recycling and incineration of the packaging materials and recycling of the concrete.

LIFE CYCLE FLOW DIAGRAM

Mortar products



Product life-cycle



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.

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.

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 additives which are all present in the product only in very small amounts and have no impact on the emissions of the product.

The production of capital equipment is included. 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.

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	Economic Values
Ancillary materials	Economic Values
Manufacturing energy and waste	Economic Values

PRODUCT & MANUFACTURING SITES GROUPING

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

This EPD is product and factory specific.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator for EPD Hub V3 and EPD Process Certification v3.2.5. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1/3.11/3.12 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11/3.12 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	8,91E-02	7,30E-03	3,46E-02	1,31E-01	1,17E-02	3,59E-03	ND	ND	ND	ND	ND	ND	ND	3,62E-03	6,10E-03	2,18E-02	2,22E-03	-2,21E-01
GWP – fossil	kg CO ₂ e	8,91E-02	7,30E-03	3,73E-02	1,34E-01	1,17E-02	8,88E-04	ND	ND	ND	ND	ND	ND	ND	3,62E-03	6,10E-03	2,17E-02	2,21E-03	-2,16E-01
GWP – biogenic	kg CO ₂ e	0,00E+00	0,00E+00	-2,69E-03	-2,69E-03	0,00E+00	2,70E-03	ND	ND	ND	ND	ND	ND	ND	6,90E-07	1,38E-06	7,56E-05	9,98E-06	-5,20E-03
GWP – LULUC	kg CO ₂ e	1,77E-05	3,02E-06	1,70E-05	3,77E-05	5,21E-06	1,73E-07	ND	ND	ND	ND	ND	ND	ND	3,71E-07	2,73E-06	8,74E-06	5,55E-07	-9,67E-05
Ozone depletion pot.	kg CFC-11e	2,02E-09	1,27E-10	6,05E-10	2,75E-09	1,72E-10	1,65E-12	ND	ND	ND	ND	ND	ND	ND	5,38E-11	9,00E-11	5,32E-10	7,42E-11	-1,17E-09
Acidification potential	mol H ⁺ e	2,13E-04	2,72E-05	9,41E-05	3,35E-04	3,97E-05	6,99E-07	ND	ND	ND	ND	ND	ND	ND	3,24E-05	2,08E-05	1,69E-04	2,49E-05	-8,16E-04
EP-freshwater ²⁾	kg Pe	4,14E-06	5,26E-07	7,23E-06	1,19E-05	9,07E-07	4,74E-08	ND	ND	ND	ND	ND	ND	ND	1,17E-07	4,75E-07	1,48E-05	3,80E-06	5,21E-03
EP-marine	kg Ne	9,14E-06	8,80E-06	3,12E-05	4,92E-05	1,31E-05	4,81E-07	ND	ND	ND	ND	ND	ND	ND	1,51E-05	6,83E-06	5,55E-05	6,20E-06	-2,18E-04
EP-terrestrial	mol Ne	8,14E-04	9,60E-05	3,02E-04	1,21E-03	1,42E-04	2,32E-06	ND	ND	ND	ND	ND	ND	ND	1,65E-04	7,43E-05	6,01E-04	6,67E-05	-2,35E-03
POCP (“smog”) ³⁾	kg NMVOCe	1,97E-04	3,95E-05	1,16E-04	3,53E-04	5,86E-05	7,47E-07	ND	ND	ND	ND	ND	ND	ND	4,94E-05	3,06E-05	2,04E-04	2,42E-05	-6,82E-04
ADP-minerals & metals ⁴⁾	kg Sbe	3,50E-08	2,01E-08	3,45E-08	8,95E-08	3,25E-08	6,99E-10	ND	ND	ND	ND	ND	ND	ND	1,30E-09	1,70E-08	5,99E-08	3,83E-09	-8,66E-07
ADP-fossil resources	MJ	2,06E-01	1,06E-01	5,68E-01	8,80E-01	1,69E-01	1,70E-03	ND	ND	ND	ND	ND	ND	ND	4,72E-02	8,85E-02	3,86E-01	5,22E-02	-1,33E+00
Water use ⁵⁾	m ³ e depr.	6,85E-03	5,28E-04	3,89E-03	1,13E-02	8,35E-04	6,72E-05	ND	ND	ND	ND	ND	ND	ND	1,21E-04	4,37E-04	9,95E-03	2,47E-03	-1,89E-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	2,62E-09	7,20E-10	1,02E-09	4,36E-09	1,17E-09	1,69E-11	ND	ND	ND	ND	ND	ND	ND	9,25E-10	6,10E-10	9,99E-09	3,78E-10	-1,04E-08
Ionizing radiation ⁶⁾	kBq 11235e	4,86E+00	1,09E-04	4,19E-03	4,87E+00	1,47E-04	1,81E-05	ND	ND	ND	ND	ND	ND	ND	2,01E-05	7,70E-05	1,12E-03	6,59E-05	-4,88E-03
Ecotoxicity (freshwater)	CTUe	2,35E-02	1,36E-02	3,97E-01	4,34E-01	2,39E-02	1,37E-02	ND	ND	ND	ND	ND	ND	ND	2,69E-02	1,25E-02	9,68E+00	2,80E+00	-3,86E-01
Human toxicity, cancer	CTUh	1,71E-10	1,21E-12	6,54E-12	1,78E-10	1,92E-12	1,72E-13	ND	ND	ND	ND	ND	ND	ND	3,69E-13	1,01E-12	6,13E-12	8,89E-13	4,56E-11
Human tox. non-cancer	CTUh	3,99E-09	6,79E-11	1,67E-10	4,22E-09	1,09E-10	5,73E-12	ND	ND	ND	ND	ND	ND	ND	5,80E-12	5,73E-11	3,05E-10	5,57E-11	-1,36E-09
SQP ⁷⁾	-	6,33E-01	1,05E-01	3,65E-01	1,10E+00	1,70E-01	1,15E-03	ND	ND	ND	ND	ND	ND	ND	3,12E-03	8,91E-02	5,56E-01	1,29E-01	-1,91E+00

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	7,39E-02	1,57E-03	1,93E-02	9,47E-02	2,32E-03	-2,51E-02	ND	ND	ND	ND	ND	ND	ND	2,96E-04	1,21E-03	1,27E-02	1,00E-03	-2,03E-01
Renew. PER as material	MJ	0,00E+00	0,00E+00	2,70E-02	2,70E-02	0,00E+00	-2,70E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,70E-02
Total use of renew. PER	MJ	7,39E-02	1,57E-03	4,62E-02	1,22E-01	2,32E-03	-5,20E-02	ND	ND	ND	ND	ND	ND	ND	2,96E-04	1,21E-03	1,27E-02	1,00E-03	-1,56E-01
Non-re. PER as energy	MJ	2,85E-01	1,06E-01	5,22E-01	9,13E-01	1,69E-01	-2,46E-02	ND	ND	ND	ND	ND	ND	ND	4,72E-02	8,85E-02	3,86E-01	5,22E-02	-1,34E+00
Non-re. PER as material	MJ	0,00E+00	0,00E+00	2,57E-02	2,57E-02	0,00E+00	-2,57E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,15E-03
Total use of non-re. PER	MJ	2,85E-01	1,06E-01	5,48E-01	9,39E-01	1,69E-01	-5,03E-02	ND	ND	ND	ND	ND	ND	ND	4,72E-02	8,85E-02	3,86E-01	5,22E-02	-1,33E+00
Secondary materials	kg	3,47E-02	4,54E-05	1,46E-04	3,49E-02	7,20E-05	4,36E-06	ND	ND	ND	ND	ND	ND	ND	1,95E-05	3,77E-05	1,43E-04	1,67E-05	4,11E-04
Renew. secondary fuels	MJ	6,31E-02	5,67E-07	5,27E-04	6,36E-02	9,14E-07	1,53E-08	ND	ND	ND	ND	ND	ND	ND	5,12E-08	4,78E-07	1,90E-06	3,15E-07	-7,71E-04
Non-ren. secondary fuels	MJ	6,99E-02	0,00E+00	0,00E+00	6,99E-02	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	1,29E-03	1,55E-05	3,23E-04	1,63E-03	2,50E-05	1,29E-04	ND	ND	ND	ND	ND	ND	ND	3,02E-06	1,31E-05	-2,08E-03	-6,24E-04	-1,23E-03

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	4,61E-04	1,66E-04	1,85E-03	2,48E-03	2,87E-04	2,06E-05	ND	ND	ND	ND	ND	ND	ND	5,29E-05	1,50E-04	5,99E-04	8,27E-05	-7,33E-03
Non-hazardous waste	kg	2,06E-02	3,17E-03	5,58E-02	7,96E-02	5,30E-03	3,45E-03	ND	ND	ND	ND	ND	ND	ND	7,71E-04	2,77E-03	2,51E+00	7,36E-01	-1,86E-01
Radioactive waste	kg	6,14E-08	2,67E-08	9,81E-07	1,07E-06	3,61E-08	4,64E-09	ND	ND	ND	ND	ND	ND	ND	4,93E-09	1,89E-08	2,82E-07	1,58E-08	-6,57E-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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	9,12E-05	0,00E+00	0,00E+00	9,12E-05	0,00E+00	1,28E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	9,06E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	4,71E-06	0,00E+00	0,00E+00	4,71E-06	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	6,54E-03	0,00E+00	0,00E+00	6,54E-03	0,00E+00	5,64E-03	ND	ND	ND	ND	ND	ND	ND	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	2,38E-03	ND	ND	ND	ND	ND	ND	ND	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	3,27E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

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	8,91E-02	7,30E-03	3,73E-02	1,34E-01	1,17E-02	8,88E-04	ND	ND	ND	ND	ND	ND	ND	3,62E-03	6,10E-03	2,17E-02	2,21E-03	-2,16E-01

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

SCENARIO DOCUMENTATION

DATA SOURCES

Manufacturing energy scenario documentation

1. Diesel, burned in building machine, World, Ecoinvent, 0.10 kgCO₂e/MJ
2. Heat production, propane, at industrial furnace >100kW, World, Ecoinvent, 0.0919 kgCO₂e/MJ
3. Electricity, medium voltage, residual mix, Finland, Ecoinvent, 0.66 kgCO₂e/kWh

Transport scenario documentation - A4 (Transport resources)

1. Market for transport, freight, lorry >32 metric ton, EURO5, 108,0 km
2. Market for transport, freight, lorry >32 metric ton, EURO5, 108.0 km

Transport to the building site (A4) - Scenario documentation

Scenario parameter	Value
Capacity utilization (including empty return) %	100
Bulk density of transported products	0
Volume capacity utilization factor	<1

Installation at the building site (A5) - Scenario documentation

Scenario parameter	Value
Energy: type and consumption (MJ or kWh)	The concrete is mixed with water at the installation site and no material loss is assumed to happen during installation. The installation is done by different kinds of machines and thus the energy consumption is deemed negligible.
Water use (m ³)	Tap water added before application at the construction site. Amount of water is shown in the technical information of the product. Approximately 3L per 25kg of product.
Ancillary materials: type and mass (kg)	
Waste materials: type and mass (kg)	
Waste materials: output routes	
Direct emissions (kg)	

End of life (C1-C4) - Scenario documentation

Scenario information	Value
Collection process: collected separately (kg)	
Collection process: Mixed waste (kg)	
Recovery: re-use (kg)	0
Recovery: recycling (kg)	0,91
Recovery: energy recovery (kg)	0
Disposal (kg)	0
Scenario assumptions e.g. transportation (mode, km) & other	50km

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 15804+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

Elma Avdyli as an authorized verifier for EPD Hub Limited 27.10.2026

