ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

2- stage cubised aggregates from Sätertorp
Sätertorps Grus

Sätertorps Grus

EPD HUB, HUB-7045
Published on 23.07.2026, last updated on 23.07.2026, valid until 22.07.2031

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.

Created with One Click LCA

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Sätertorps Grus
Address	Betongvägen 9, 645 94 Strängnäs, Sweden
Contact details	info@satertorpsgrus.se
Website	https://www.satertorpsgrus.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 1.2, 24 Mar 2025
Sector	Construction product
Category of EPD	Third party verified EPD
Parent EPD number	
Scope of the EPD	Cradle to gate with modules C1-C4, D
EPD author	Catarina Strandroth
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Yazan Badour as an authorized verifier for EPD Hub

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	2- stage cubised aggregates from Sätertorp
Additional labels	-
Product reference	-
Place(s) of raw material origin	Sweden
Place of production	Strängnäs Sweden
Place(s) of installation and use	Sweden
Period for data	01/01/2024-31/12/2024
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 (%)	99,4

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 ton of gravel
Declared unit mass	1000 kg
Mass of packaging	0 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	2,9
GWP-total, A1-A3 ($kgCO_2e$)	2,91
Secondary material, inputs (%)	0
Total energy use, A1-A3 (kWh)	15
Net freshwater use, A1-A3 (m^3)	0,01

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Sätertorps Grus, Sweden, have produced and delivered stone materials since 1966 and are today a leading supplier on the market in Strängnäs and the surrounding area.
We sell gravel, macadam, crushed rock, sand and soil products that are used in construction and gardening.

PRODUCT DESCRIPTION

Sätertorps Grus offers a variety of stone materials or aggregates such as crushed rock, macadam and gravel, sorted into the following fractions: 0/4 mm, 4/8 mm and 8/16 mm.
Gravel is used as a source of raw material in the manufacture of concrete and asphalt.

Further information can be found at:
https://www.satertorpsgrus.se/

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals		
Minerals	100	SE
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	

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 ton of gravel
Mass per declared unit	1000 kg
Functional unit	-
Reference service life	years

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	ND	ND	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.

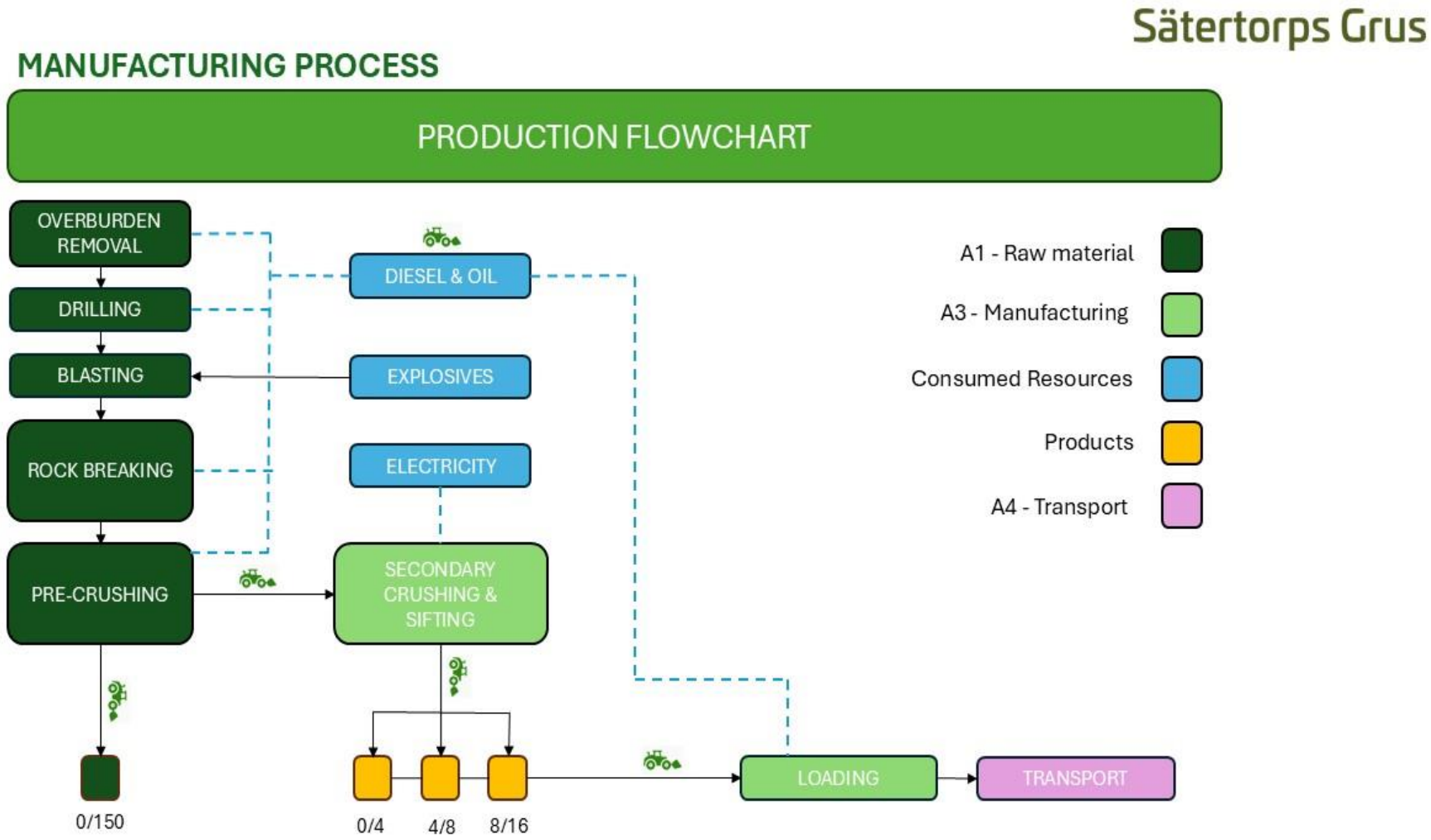
A market-based approach is used in modelling the electricity mix utilized in the factory.
The mining of stone (granite) happens in open pits by drilling and blasting. The bedrock is first uncovered from overburden with an excavator to create space for the drilling rig. The drilling rig then drills into
the bedrock. The boreholes are then filled with explosives (Blendex 70 - EPD provided) that are later ignited during blasting. After blasting large stone blocks are transported from the pit to the primary crusher by wheel-loader and are crushed to a fraction of 0/150. After that, the 0/150 material is further refined in another crushing stages to the fractions 0/4, 4/8, and 8/16. The products are finally sifted through an sievenet, then the product is stored and loaded, without any packaging, onto lorrys for delivery. The gravel is not washed.
All rock that is crushed is used. There are no production losses.

The diesel for the machines are supplemented with ADBlue.

PRODUCT END OF LIFE (C1-C4, D)

As gravel is usually used as a raw material in the manufacture of other construction materials like asphalt and concrete, it become inseparable at the end of life.
At end of life 6,3% of the gravel is sent to landfilling and the remaining is crushed and recycled as gravel according to EEA. Transportation distance to the closest disposal area is estimated as 50 km and the most common transportation method is lorry.
Due to the recycling in module C the benefits and loads for crushing and recycling the gravel is accounted for in module D

LIFE CYCLE FLOW DIAGRAM



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.

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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	Not applicable
Ancillary materials	Not applicable
Manufacturing energy and waste	No allocation

The energy content of diesel was set to 37 MJ/liter. The density of oil was set to 0,90kg / liter.

PRODUCT & MANUFACTURING SITES GROUPING

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

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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‘.

- European Environment Agency (2020); https://www.eea.europa.eu/en/analysis/maps-and-charts/mineral-waste-from-construction-and#tab-googlechartid_chart_13_filters=%7B%22rowFilters%22%3A%7B%7D%3B%22columnFilters%22%3A%7B%7D%3B%22sortFilter%22%3A%5B%22__default__%22%5D%7D
- European Environment Agency (2020); https://www.eea.europa.eu/en/analysis/maps-and-charts/mineral-waste-from-construction-and#tab-googlechartid_chart_13_filters=%7B%22rowFilters%22%3A%7B%7D%3B%22columnFilters%22%3A%7B%7D%3B%22sortFilter%22%3A%5B%22__default__%22%5D%7D

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_2e	2,91E-04	1,85E-05	2,91E+00	2,91E+00	5,71E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,39E+00	1,55E+01	4,01E-01	-9,03E+00
GWP – fossil	kg CO_2e	2,91E-04	1,85E-05	2,90E+00	2,90E+00	5,70E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,38E+00	1,54E+01	4,00E-01	-9,03E+00
GWP – biogenic	kg CO_2e	1,09E-07	4,19E-09	5,04E-03	5,04E-03	1,29E-01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,22E-03	3,96E-02	1,80E-04	0,00E+00
GWP – LULUC	kg CO_2e	4,17E-07	8,28E-09	3,58E-03	3,58E-03	2,55E-01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,41E-03	2,43E-02	2,29E-04	-8,60E-03
Ozone depletion pot.	kg $CFC\text{-}_{11}$e	7,60E-12	2,73E-13	4,87E-08	4,87E-08	8,42E-06	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,95E-08	2,51E-07	1,12E-08	-7,09E-08
Acidification potential	mol H^+e	1,69E-06	6,31E-08	2,55E-02	2,55E-02	1,95E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,84E-02	1,17E-01	2,80E-03	-5,65E-02
EP-freshwater[2)]	kg Pe	3,27E-09	1,44E-09	1,11E-04	1,11E-04	4,44E-02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,19E-04	8,36E-03	3,50E-05	-3,10E-03
EP-marine	kg Ne	2,02E-07	2,07E-08	1,16E-02	1,16E-02	6,39E-01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	6,03E-03	3,95E-02	1,08E-03	-1,35E-02
EP-terrestrial	mol Ne	6,14E-06	2,26E-07	1,28E-01	1,28E-01	6,95E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	6,56E-02	4,28E-01	1,18E-02	-1,63E-01
POCP ("smog")[3)]	kg NMVOCe	8,11E-07	9,31E-08	3,80E-02	3,80E-02	2,87E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,70E-02	1,39E-01	4,24E-03	-4,52E-02
ADP-minerals & metals[4)]	kg Sbe	3,27E-09	5,16E-11	2,22E-06	2,23E-06	1,59E-03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,50E-05	3,95E-05	5,97E-07	-5,43E-05
ADP-fossil resources	MJ	4,53E-03	2,69E-04	4,96E+01	4,96E+01	8,28E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,81E+01	2,44E+02	9,81E+00	-1,12E+02
Water use[5)]	m^3e depr.	2,02E-04	1,33E-06	3,35E-01	3,35E-01	4,09E+01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,86E-01	5,17E+00	4,31E-01	-1,41E+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	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	1,26E-11	1,85E-12	7,10E-07	7,10E-07	5,71E-05	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,39E-07	9,30E-06	6,45E-08	-8,91E-07
Ionizing radiation[6]	kBq U235e	8,43E-06	2,34E-07	9,67E-01	9,67E-01	7,21E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	6,80E-02	4,85E-01	5,87E-03	-7,76E-01
Ecotoxicity (freshwater)	CTUe	9,41E-04	3,80E-05	1,12E+01	1,12E+01	1,17E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,10E+01	7,63E+03	6,55E+00	-2,66E+02
Human toxicity, cancer	CTUh	8,72E-13	3,06E-15	3,52E-10	3,52E-10	9,42E-08	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	8,88E-10	3,62E-09	7,26E-11	-2,48E-09
Human tox. non-cancer	CTUh	2,89E-12	1,74E-13	7,31E-09	7,31E-09	5,36E-06	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,06E-08	1,46E-07	1,63E-09	-7,30E-08
SQP[7]	-	1,78E+03	2,71E-04	1,16E+01	1,79E+03	8,34E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,87E+01	2,89E+02	1,93E+01	-1,04E+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	1,99E-04	3,68E-06	4,83E+00	4,83E+00	1,13E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,07E+00	7,57E+00	9,16E-02	-1,03E+01
Renew. PER as material	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renew. PER	MJ	1,99E-04	3,68E-06	4,83E+00	4,83E+00	1,13E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,07E+00	7,57E+00	9,16E-02	-1,03E+01
Non-re. PER as energy	MJ	4,53E-03	2,69E-04	4,93E+01	4,93E+01	8,28E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,81E+01	2,44E+02	9,81E+00	-1,12E+02
Non-re. PER as material	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-re. PER	MJ	4,53E-03	2,69E-04	4,93E+01	4,93E+01	8,28E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,81E+01	2,44E+02	9,81E+00	-1,12E+02
Secondary materials	kg	1,42E-06	1,14E-07	1,58E-02	1,58E-02	3,52E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,32E-02	9,15E-02	2,44E-03	-1,26E-01
Renew. secondary fuels	MJ	9,98E-09	1,45E-09	4,60E-05	4,60E-05	4,48E-02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,22E-04	1,09E-03	5,09E-05	-9,17E-04
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	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	4,76E-06	3,97E-08	8,12E-03	8,13E-03	1,22E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,15E-02	-1,36E+00	1,01E-02	-3,26E-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	0,00E+00	4,55E-07	5,29E-02	5,29E-02	1,40E+01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,32E-01	6,07E-01	1,12E-02	-9,06E-01
Non-hazardous waste	kg	0,00E+00	8,42E-06	7,39E-01	7,39E-01	2,60E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,45E+00	1,00E+03	2,58E-01	-1,71E+01
Radioactive waste	kg	0,00E+00	5,73E-11	2,07E-04	2,07E-04	1,76E-03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,67E-05	1,19E-04	1,43E-06	-1,87E-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	ND	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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	9,36E+02	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	ND	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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	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	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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_2e	0,00E+00	1,84E-05	2,89E+00	2,89E+00	5,67E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,35E+00	1,53E+01	3,97E-01	-9,00E+00
Ozone depletion Pot.	kg $CFC_{-11}e$	0,00E+00	2,18E-13	3,96E-08	3,96E-08	6,72E-06	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	6,34E-08	2,03E-07	8,88E-09	-6,02E-08
Acidification	kg SO_2e	0,00E+00	4,82E-08	1,79E-02	1,79E-02	1,49E+00	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,40E-02	8,91E-02	2,07E-03	-4,38E-02
Eutrophication	kg PO_4^3e	0,00E+00	1,17E-08	4,22E-03	4,22E-03	3,62E-01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,41E-03	2,23E-02	6,86E-04	-8,92E-03
POCP (“smog”)	kg C_2H_4e	0,00E+00	4,30E-09	1,35E-03	1,35E-03	1,32E-01	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,25E-03	6,27E-03	1,97E-04	-3,82E-03
ADP-elements	kg Sbe	0,00E+00	5,04E-11	2,21E-06	2,21E-06	1,55E-03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,46E-05	3,87E-05	5,83E-07	-5,35E-05

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
ADP-fossil	MJ	0,00E+00	2,65E-04	3,68E+01	3,68E+01	8,16E+03	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,70E+01	2,36E+02	9,72E+00	-9,98E+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_2e	2,91E-04	1,85E-05	2,90E+00	2,90E+00	5,71E+02	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,38E+00	1,54E+01	4,01E-01	-9,03E+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

SCENARIO DOCUMENTATION

DATA SOURCES

Manufacturing energy scenario documentation

1. Diesel, burned in building machine, World, Ecoinvent, 0.10 kgCO2e/MJ
2. Diesel, burned in building machine, World, Ecoinvent, 0.10 kgCO2e/MJ
3. Diesel, burned in building machine, World, Ecoinvent, 0.10 kgCO2e/MJ
4. Diesel, burned in building machine, World, Ecoinvent, 0.10 kgCO2e/MJ
5. Electricity, medium voltage, residual mix, Sweden, Ecoinvent, 0.0836 kgCO2e/kWh

End of life (C1-C4) - Scenario documentation

Scenario information	Value
Collection process: collected separately (kg)	1000 kg
Collection process: Mixed waste (kg)	-
Recovery: re-use (kg)	0
Recovery: recycling (kg)	936
Recovery: energy recovery (kg)	0
Disposal (kg)	0
Scenario assumptions e.g. transportation (mode, km) & other	50 km by lorry. The energy content of diesel was set to 37 MJ/liter. The Urea content of Adblue is 32,5 %. The rest is water.

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

Yazan Badour as an authorized verifier for EPD Hub Limited 23.07.2026