ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

weber MTL Wet room render

Version 1
Version date: 2025-11-25
Validity: 5 years
Validity date: 2030-11-25

The International EPD® System,
www.environdec.com
Programme operator: EPD International AB
Registration number: EPD-IES-0025931:001
EPD owner: Saint-Gobain Finland Oy

An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com.

GENERAL INFORMATION

Programme information

PROGRAMME:	The International EPD® System
ADDRESS:	EPD International AB - Box 210 60 - SE-100 31 Stockholm – Sweden
WEBSITE:	www.environdec.com
E-MAIL:	info@environdec.com

PCR information

Product Category rules (PCR)

CEN standard EN 15804:2012+A2:2019/AC:2021 as the Core Product Category Rules (PCR)

Product category rules (PCR): PCR 2019:14 Construction Products, version 2.0.1

Complementary PCR: 2019:14-c-PCR-017 Technical-chemical products (for construction sector) adopted from EPD Norway 2022-07-08

PCR review was conducted by: The Technical Committee of the International EPD® System
See www.environdec.com for a list of members.

Chairs of the PCR review: Rob Rouwette (chair), Noa Meron (co-chair).

Verification

External and independent ('third-party') verification of the declaration and data, according to ISO 14025:2006, via
EPD verification through:
☒ Individual EPD verification without a pre-verified LCA/EPD tool
☐ Individual EPD verification with a pre-verified LCA/EPD tool
☐ EPD process certification* without a pre-verified LCA/EPD tool
☐ EPD process certification* with a pre-verified LCA/EPD tool
☐ Fully pre-verified EPD tool

Independent third-party verification of the declaration and data, according to ISO 14025:2006:
☒ EPD verification by individual verifier
Third party verifier: Anni Oviir, LCASupport - Rangi Maja OÜ
Approved by: The International EPD© System

Procedure for follow-up of data during EPD validity involves third-party verifier: ☐ Yes ☒ No

Ownership and limitation on use of EPD

The EPD owner has the sole ownership, liability and responsibility for the EPD.

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterization factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Information about EPD Owner

EPD owner: Saint-Gobain Finland Oy

Address: Strömberginkuja 2 (PO Box 70) 00380 Helsinki, Finland

Contact: Anne Kaiser (anne.kaiser@saint-gobain.com)

Description of the organization of the EPD owner: DS/EN ISO 9001, DS/EN ISO 14001

LCA practitioner: Päivi Pesu (paivi.pesu@saint-gobain.com, Strömberginkuja 2 FI-00381 Helsinki

Communication: The intended use of this EPD is for B2B communication.

Product information

Product name: weber MTL Wet room render

UN CPC CODE: 35110 Paints and varnishes and related products

GTIN: 6415910028848 (20 kg), 6415910019853 (800 kg)

Manufacturing site(s): weber Parainen, 21600 Parainen, Finland

Product description

weber MTL Wet room render is cement bound, moisture-resistant render for interior walls with a layer thickness of 10-40 mm (in some places up to 60 mm). The intended area of use is pre-straightening and levelling of interior stone surface walls.

For more information: https://www.fi.weber/sisapinnat/oikaisu-ja-tasoituslaastit/weber-mtl-markatilalaasti

Technical data/physical characteristics:

Parameter	Value / Description
Recommended water content	Approx. 4,8-5,6 L/20 kg
Material consumption	Approx. 1,4 kg/m²/mm
Recommended layer thickness	Min. 10 mm Max. 40 mm, in some places even 60 mm. Spreading in several layers wet-on-wet.
Compressive strength 28 days	>10 MPa (+22°C, 65% RH, EN-1015-12)

Content declaration

Description of the main components and/or materials:

Product components	Weight (% of product)	Post-consumer recycled material weight (%)	Biogenic material, weight- %	Biogenic material, kg C/kg of DU
Binder	20 – 40 %	0 %	0 %	0 kg of C
Minerals	50 – 80 %	0 %	0 %	0 kg of C
Additives	1 – 3 %	0 %	0 %	0 kg of C
Sum	**100%**	**0 %**	**0 %**	**0 kg**

Packaging materials*	Weight (kg)	Weight versus the product (%)	Weight biogenic carbon, kg C/kg product	Biogenic material, kg C/kg of DU
Polyethylene LDPE	0,005	0,5 %	0 %	0
Wooden pallet	0,021	2 %	0,9 %	0,009
Sum	**0,026**	**2,5 %**	**0,9 %**	**0,009**

*Most representative packaging

Hazardous substances

At the date of issue of this declaration, there is no “Substance of Very High Concern” (SVHC) in concentration above 0,1% by weight, and neither do their packaging, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals).

LCA information

TYPE OF EPD	Cradle to gate with options, module C1-C4, module D and optional modules (A4–A5).
DECLARED UNIT	1 kg of dry powder
SYSTEM BOUNDARIES	Cradle to gate with options, module C1-C4, module D and optional modules A4–A5.
REFERENCE SERVICE LIFE (RSL)	The Reference Service Life (RSL) of the mortar product is dependent on the service life of the building. A standard building service life is 50 years.
CUT-OFF RULES	In the case that there is not enough information, the process energy and materials representing less than 1% of the whole energy and mass used can be excluded (if they do not cause significant impacts). The addition of all the inputs and outputs excluded cannot be bigger than the 5% of the whole mass and energy used, as well of the emissions to environment occurred. Flows related to human activities such as employee transport are excluded. The construction of plants, production of machines and transportation systems are excluded since the related flows are supposed to be negligible compared to the production of the building product when compared at these systems lifetime level.
ALLOCATIONS	Allocation has been avoided when possible and when not possible a mass allocation has been applied. The polluter pays and the modularity principles have been followed as well.
DATA QUALITY ASSESSMENT	Data quality of primary and secondary data has been judged by its precision (measured, calculated, or estimated), completeness (e.g., unreported emissions), consistency (degree of uniformity of the methodology applied), and representativeness (geographical, technological, and temporal).
GEOGRAPHICAL COVERAGE AND TIME PERIOD	Scope: Finland, other Nordic countries and the Baltic countries Data is collected from one production site located in Finland Data collected for the year 2024 (production), 2025 (raw materials)
BACKGROUND DATA SOURCE	The databases Sphera CUP2024.2 and ecoinvent v.3.10 EF Package 3.1
SOFTWARE	Sphera LCA for experts (GaBi) 10

Data quality declaration

Process	Source type	Source	Reference year	Data category	Share of primary data of A1-A3 GWP-GHG
Manufacturing process					
Energy specific	Database	Sphera 2024.2	<5 years old	Primary data	6%
RMs from EPD					
Binder EPD	EPD	Confidential	2025	Primary data	38%
Transportation (only if specific data collected)					
A2 Transport Specific	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Specific data	4%
Product					
Production of raw materials	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Secondary data	0%
Packaging					
Production of packaging materials	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Secondary data	0%
Background datasets in A1-A3					
Other processes	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Secondary data	0%
				Total share of primary data	48%

The share of primary data is calculated based on the GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant aspects of data quality and is not comparable across product categories. The reported share of primary data is associated with uncertainty, as one or several EPDs that are used as data source lack information on the share of primary data used.

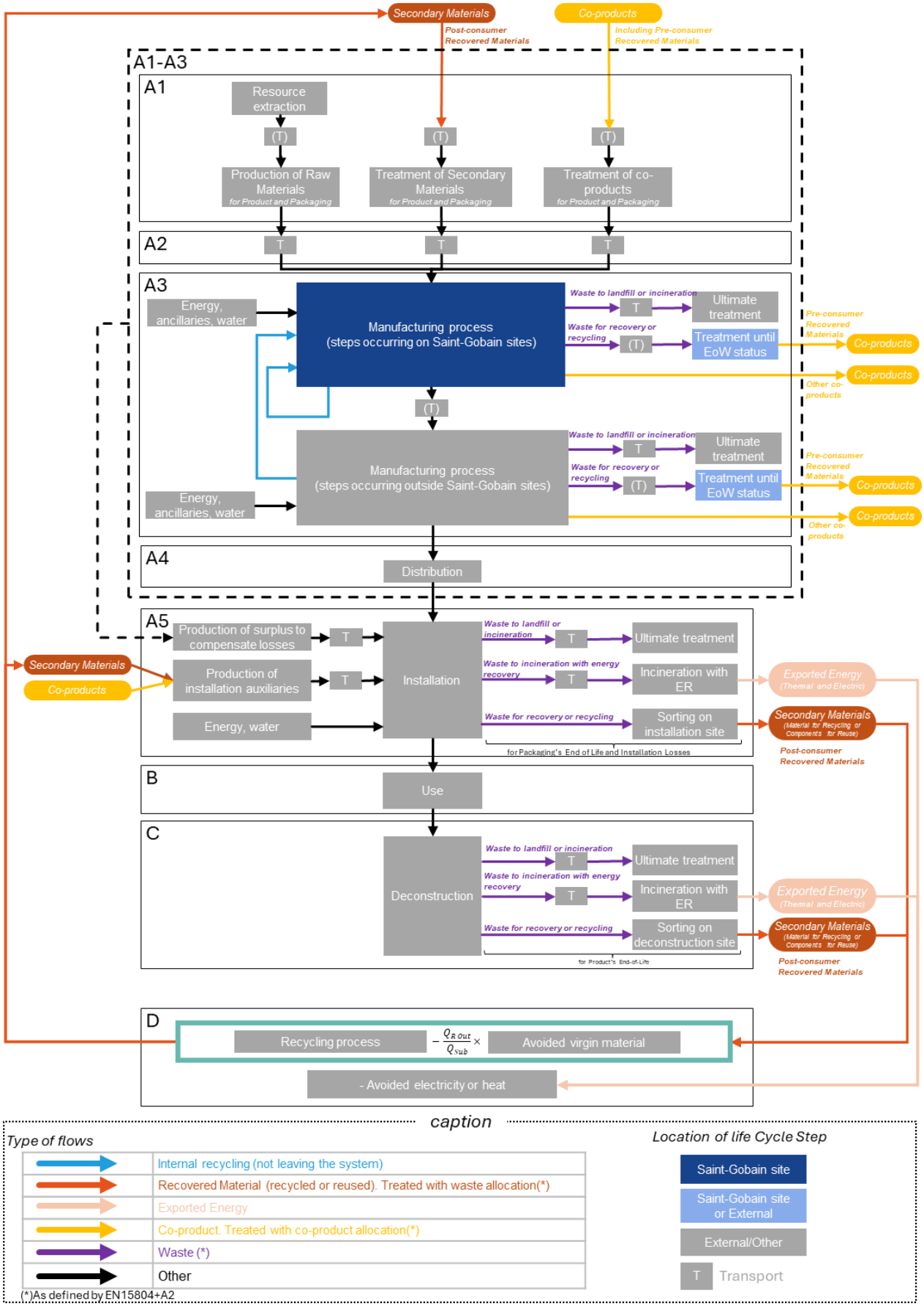
Description of system boundaries

System boundaries (X=included. ND=module not declared)

	PRODUCT STAGE			CONSTRUCTION STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY
	Raw material supply	Transport	Manufacturing	Transport	Construction-Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-recovery
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	GLO	GLO	FI	FI	FI	-	-	-	-	-	-	-	N&B	N&B	N&B	N&B	N&B

GLO = Global, N&B = Nordic & Baltic countries

System flow diagram



Life cycle stages

A1-A3. Product stage

The product stage of plaster products is subdivided into 3 modules A1, A2 and A3 respectively “raw material supply”, “transport to manufacturer” and “manufacturing”.

A1. Raw materials supply

This module includes the extraction and transformation of raw materials.

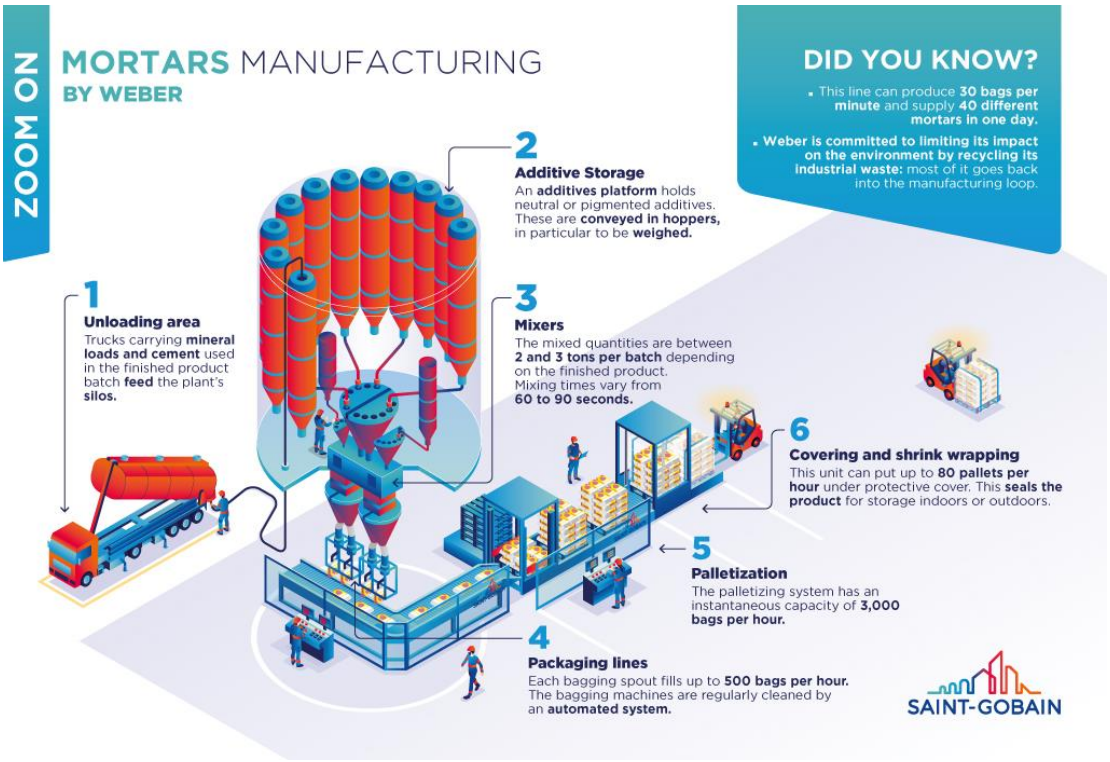
A2. Transport to the manufacturer

This module includes the transportation of raw materials and packaging to the manufacturing site. The modelling includes road, boat and/or train transportations.

A3. Manufacturing

This module includes the manufacture of products and the manufacture of packaging. The production of packaging material is considered at this stage. The processing of any waste arising from this stage is also included.

Manufacturing process flow diagram



The manufacturing activities include storing, mixing, packing and internal transportation.

During the manufacturing, electricity with Guarantee of Origin certificate (GO has been used. The amount of electricity purchased with GO covers 100% of the electricity consumption on the manufacturing site.

Electricity information

The following electricity modelling has been used:

Parameter	VALUE / DESCRIPTION
Location	Representative of the Guarantee of Origin purchased by Saint-Gobain Finland Oy
Share of electricity covered by Guarantee of Origin	100% of the energy consumption is covered by the GO 0% of electricity consumption is covered by residual mix
Energy sources for electricity	Share of energy sources: Hydro 100% 2% transmission losses
Dataset version	Sphera CUP2024.2
Source	Guarantee of Origin certificate: Entelios
GWP-GHG CO_2 eq.	0,006 kg of CO_2 eq./kWh

An EPD is valid for 5 years. Therefore, the GO will be prolonged continuously to be valid for the whole validity of the EPD. If not prolonged, the EPD will be updated.

A4-A5. Construction process stage

The construction process is divided into 2 modules: A4, Transport to the building site and A5, Installation in the building.

A4. Transport to the building site

This module includes transport from the production gate to the building site. Transport is calculated based on a scenario with the parameters described in the following table.

PARAMETER	VALUE
Fuel type and consumption of vehicle or vehicle type used for transport e.g. long-distance truck, boat, etc.	Freight truck trailer 41,5 t payload, diesel consumption 38 liters per 100 km
Distance	200 km
Capacity utilisation (including empty returns)	90% of the capacity in mass 39% of empty returns

A5. Installation in the building

This module includes: the installation of the product, the surplus of raw materials and packaging (cradle to gate) to compensate for the loss of product during the installation, the transport and management of packaging and product waste.

In this module was taken into consideration:

- Energy used in the equipment to prepare the product.

Not taken into consideration:

- Additional accessories for installation
- Energy used to install the product (manual tools are used instead).

PARAMETER	VALUE / DESCRIPTION
Ancillary materials for installation (specified by materials)	none
Water use	0,28 l / kg of product
Other resource use	None
Quantitative description of energy type (regional mix) and consumption during the installation process	0,00396 MJ/kg of product
Wastage of materials on the building site before waste processing, generated by the product's installation (specified by type)	5% losses during installation

Output materials (specified by type) as results of waste processing at the building site e.g. of collection for recycling, for energy recovering, disposal	Product waste: 0,05 mortar kg to landfill Packaging waste: LDPE: 0,005 kg/ kg of product (53% recycle, 6% recovery for energy, 41% landfill) Wooden pallet: 0,021 kg/ kg of product (6,6% recycle, 5,9% recovery for energy, 87,5% reuse)
Distance to waste treatment facilities	50 km
Direct emissions to ambient air, soil, and water	None

Note. Efficiency of energy recovery for the packaging is approx. 43%.

B1-B7. Use stage

Not declared.

C1-C4. End of Life Stage

This stage includes the next modules:

- **C1: Deconstruction, demolition.** The de-construction and/or dismantling of the product take part of the demolition of the entire building.
- **C2: Transport to waste processing**
- **C3: Waste processing for reuse, recovery and/or recycling**
- **C4: Waste disposal,** including physical pre-treatment and site management.

Description of the scenarios and additional technical information for the end of life:

PARAMETER	VALUE/DESCRIPTION
Energy for deconstruction/demolition	0,018 MJ/kg
Collection process specified by type	1 kg and part of water mixed in at installation collected with construction waste.
Recovery system specified by type	10% of product to recycling
Disposal specified by type	90% of product to landfill
Assumptions for scenario development (e.g. transportation)	Waste transported by average truck with 27t payload, consuming 38L/100km. Distance of transport: 50km

The scenarios assumed reflect a possible and realistic end-of-life treatment in the market.

D. Reuse/recovery/recycling potential

In the module D the environmental benefits and loads from recyclable materials or energy recovery are declared. Module D considers:

- Inputs of secondary materials: recycled raw materials for packaging,
- Outputs of secondary materials: product and packaging sent to recycling,
- Exported energy (electric and thermal): packaging sent to incineration with energy recovery.

The recycled share of deconstructed product is assumed to replace gravel.

Environmental performance

As specified in EN 15804:2012+A2:2019/AC:2021 and the Product-Category Rules, the environmental impacts are declared and reported using the baseline characterization factors based on EF 3.1. Raw materials and energy consumption, as well as transport distances have been taken directly from the manufacturing plant.

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.
The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A3)

Disclaimer 1: The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the following indicators:

- Resource use, mineral and metals [kg Sb eq.]
- Resource use, energy carriers [MJ]
- Water deprivation potential [m^3 world equiv.]

Disclaimer 2: The assumptions for the modules are in accordance with the project report (LCA study).

The following non-mandatory additional environmental indicators are not declared:

- Ecotoxicity freshwater [CTUe]
- Particulate Matter emissions [Disease incidence]
- Cancer human health effects [CTUh]
- Ionizing radiation - human health [kBq U235 eq.]
- Non-cancer human health effects [CTUh]
- Land Use [Pt].

Results refer to a declared unit of 1kg/kg of product.

Environmental Impacts

Environmental indicators	PRODUCT STAGE	CONSTRUCTION STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND LIFE CYCLE
	A1 / A2 / A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
Climate Change total [kg CO2 eq.][1]	1,50E-01	1,15E-02	4,49E-02	ND	ND	ND	ND	ND	ND	ND	1,78E-03	4,19E-03	3,60E-04	1,52E-02	-3,29E-03
Climate Change (fossil) [kg CO2 eq.]	1,75E-01	1,13E-02	1,32E-02	ND	ND	ND	ND	ND	ND	ND	1,78E-03	4,14E-03	2,99E-04	1,46E-02	-3,30E-03
Climate Change (biogenic) [kg CO2 eq.]	-2,43E-02	2,37E-05	3,17E-02	ND	ND	ND	ND	ND	ND	ND	1,54E-06	9,09E-06	5,80E-05	5,88E-04	2,35E-05
Climate Change (land use change) [kg CO2 eq.]	4,45E-04	1,17E-04	3,81E-05	ND	ND	ND	ND	ND	ND	ND	6,70E-08	4,31E-05	2,58E-06	5,98E-05	-6,12E-06
Ozone depletion [kg CFC-11 eq.]	3,74E-09	1,34E-15	2,00E-10	ND	ND	ND	ND	ND	ND	ND	1,87E-16	6,76E-16	5,89E-16	4,06E-14	-1,45E-10
Acidification terrestrial and freshwater [Mole of H+ eq.]	5,69E-04	1,48E-05	3,96E-05	ND	ND	ND	ND	ND	ND	ND	4,05E-06	6,01E-06	1,52E-06	1,03E-04	-1,05E-05
Eutrophication freshwater [kg P eq.]	2,52E-06	3,07E-08	1,51E-07	ND	ND	ND	ND	ND	ND	ND	3,22E-10	1,13E-08	7,50E-10	2,17E-08	-6,38E-08
Eutrophication marine [kg N eq.]	1,76E-04	5,70E-06	1,20E-05	ND	ND	ND	ND	ND	ND	ND	1,61E-06	2,39E-06	7,06E-07	2,70E-05	-1,96E-06
Eutrophication terrestrial [Mole of N eq.]	1,93E-03	6,01E-05	1,32E-04	ND	ND	ND	ND	ND	ND	ND	1,77E-05	2,53E-05	7,65E-06	2,94E-04	-2,14E-05
Photochemical ozone formation - human health [kg NMVOC eq.]	5,39E-04	1,24E-05	3,71E-05	ND	ND	ND	ND	ND	ND	ND	4,80E-06	5,32E-06	1,88E-06	8,07E-05	-1,91E-05
Resource use, mineral and metals [kg Sb eq.][2]	4,67E-07	7,55E-10	2,77E-08	ND	ND	ND	ND	ND	ND	ND	4,91E-11	2,79E-10	3,04E-10	9,02E-10	-2,03E-08
Resource use, energy carriers [MJ]**Error! Bookmark not defined.**	1,74E+00	1,45E-01	1,30E-01	ND	ND	ND	ND	ND	ND	ND	2,29E-02	5,37E-02	5,53E-03	1,91E-01	-9,84E-02
Water deprivation potential [m³ world equiv.]**Error! Bookmark not defined.**	1,23E+01	4,56E-05	6,27E-01	ND	ND	ND	ND	ND	ND	ND	4,93E-06	1,89E-05	5,33E-05	1,58E-03	-1,11E-03

[1] The total global warming potential (GWP-total) is the sum of GWP fossil, GWP biogenic and GWP land use change.

[2] The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

Resources Use

	PRODUCT STAGE	CONSTRUCTION STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
Resources Use indicators	A1 / A2 / A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
Use of renewable primary energy (PERE) [MJ][3]	6,90E-01	1,07E-02	4,91E-02	ND	ND	ND	ND	ND	ND	ND	1,14E-04	4,04E-03	5,43E-04	3,69E-02	-9,39E-03
Primary energy resources used as raw materials (PERM) [MJ] [3]	3,29E-01	0	-3,01E-01	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Total use of renewable primary energy resources (PERT) [MJ] [3]	1,02E+00	1,07E-02	-2,52E-01	ND	ND	ND	ND	ND	ND	ND	1,14E-04	4,04E-03	5,43E-04	3,69E-02	-9,39E-03
Use of non-renewable primary energy (PENRE) [MJ] [3]	1,34E+00	1,45E-01	1,14E-01	ND	ND	ND	ND	ND	ND	ND	2,29E-02	5,37E-02	5,53E-03	1,91E-01	-9,84E-02
Non-renewable primary energy resources used as raw materials (PENRM) [MJ] [3]	2,47E-01	0	-1,04E-01	ND	ND	ND	ND	ND	ND	ND	0	0	-4,68E-03	0	0
Total use of non-renewable primary energy resources (PENRT) [MJ][3]	1,58E+00	1,45E-01	9,64E-03	ND	ND	ND	ND	ND	ND	ND	2,29E-02	5,37E-02	8,56E-04	1,91E-01	-9,84E-02
Use of secondary material (SM) [kg]	4,14E-02	0	2,07E-03	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Use of renewable secondary fuels (RSF) [MJ]	5,59E-02	0	2,80E-03	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Use of non-renewable secondary fuels (NRSF) [MJ]	3,33E-01	0	1,67E-02	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Use of net fresh water (FW) [m^3]	6,81E-04	5,14E-06	2,84E-04	ND	ND	ND	ND	ND	ND	ND	1,71E-07	1,99E-06	1,45E-06	4,62E-05	-2,61E-05

[3] From EPD International Construction Product PCR 2.0.1 (Annex 3). The option B was reatined to calculate the primary energy use indicators.

Waste Category & Output flows

	PRODUCT STAGE	CONSTRUCTION STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
Waste Category & Output Flows	A1 / A2 / A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational	B7 Operational water	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
Hazardous waste disposed (HWD) [kg]	1,29E-03	5,25E-12	1,17E-04	ND	ND	ND	ND	ND	ND	ND	7,97E-13	2,13E-12	7,63E-13	4,18E-11	-4,95E-05
Non-hazardous waste disposed (NHWD) [kg]	4,64E-02	1,91E-05	5,86E-02	ND	ND	ND	ND	ND	ND	ND	4,45E-06	7,45E-06	1,40E-06	9,54E-01	-5,02E-03
Radioactive waste disposed (RWD) [kg]	8,96E-06	1,91E-07	1,76E-06	ND	ND	ND	ND	ND	ND	ND	2,66E-08	9,83E-08	7,02E-08	2,03E-06	-2,72E-07
Components for re-use (CRU) [kg]	0	0	1,91E-02	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Materials for Recycling (MFR) [kg]	0	0	4,35E-03	ND	ND	ND	ND	ND	ND	ND	0	0	1,06E-01	0	0
Material for Energy Recovery (MER) [kg]	0	0	0	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Exported electrical energy (EEE) [MJ]	0	0	4,87E-03	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0
Exported thermal energy (EET) [MJ]	0	0	8,72E-03	ND	ND	ND	ND	ND	ND	ND	0	0	0	0	0

Additional voluntary indicators from EN 15804

	PRODUCT STAGE	CONSTRUCTION STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
Environmental indicators	A1 / A2 / A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Refurbishment	B6 Operational energy use	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
GWP-GHG [kg CO2 eq.][4]	1,82E-01	1,14E-02	1,35E-02	ND	ND	ND	ND	ND	ND	ND	1,76E-03	4,16E-03	3,00E-04	1,46E-02	-3,22E-03

Information on biogenic carbon content

	PRODUCT STAGE
Biogenic Carbon Content in kg C	**A1 / A2 / A3**
Biogenic carbon content in product [kg]	0
Biogenic carbon content in packaging [kg]	8,55E-03

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO2.

[4] The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus almost equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.

100% scenarios of End-of-life alternatives

Environmental indicators	100% landfill					100% recycling				
	END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING	END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING
	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
Climate Change (total) [kg CO_2 eq.]	1,78E-03	4,19E-03	0	1,69E-02	-3,07E-03	1,78E-03	4,20E-03	3,60E-03	0	-5,24E-03
Climate Change (fossil) [kg CO_2 eq.]	1,78E-03	4,14E-03	0	1,62E-02	-3,08E-03	1,78E-03	4,15E-03	2,99E-03	0	-5,23E-03
Climate Change (biogenic) [kg CO_2 eq.]	1,54E-06	9,14E-06	0	6,53E-04	2,45E-05	1,54E-06	8,66E-06	5,80E-04	0	1,47E-05
Climate Change (land use change) [kg CO_2 eq.]	6,70E-08	4,32E-05	0	6,64E-05	-4,82E-06	6,70E-08	4,29E-05	2,58E-05	0	-1,78E-05
Ozone depletion [kg CFC-11 eq.]	1,87E-16	6,96E-16	0	4,51E-14	-1,45E-10	1,87E-16	4,91E-16	5,89E-15	0	-1,45E-10
Acidification terrestrial and freshwater [Mole of H+ eq.]	4,05E-06	6,09E-06	0	1,14E-04	-9,37E-06	4,05E-06	5,35E-06	1,52E-05	0	-2,05E-05
Eutrophication freshwater [kg P eq.]	3,22E-10	1,13E-08	0	2,41E-08	-6,33E-08	3,22E-10	1,12E-08	7,50E-09	0	-6,87E-08
Eutrophication marine [kg N eq.]	1,61E-06	2,43E-06	0	2,99E-05	-1,56E-06	1,61E-06	2,05E-06	7,06E-06	0	-5,57E-06
Eutrophication terrestrial [Mole of N eq.]	1,77E-05	2,57E-05	0	3,27E-04	-1,70E-05	1,77E-05	2,16E-05	7,65E-05	0	-6,08E-05
Photochemical ozone formation - human health [kg NMVOC eq.]	4,80E-06	5,41E-06	0	8,96E-05	-1,80E-05	4,80E-06	4,47E-06	1,88E-05	0	-2,86E-05
Resource use, mineral and metals [kg Sb eq.][5]	4,91E-11	2,79E-10	0	1,00E-09	-2,03E-08	4,91E-11	2,76E-10	3,04E-09	0	-2,05E-08
Resource use, energy carriers [MJ][5]	2,29E-02	5,37E-02	0	2,12E-01	-9,52E-02	2,29E-02	5,31E-02	5,53E-02	0	-1,28E-01
Water deprivation potential [m^3 world equiv.][5]	4,93E-06	1,92E-05	0	1,75E-03	-1,09E-03	4,93E-06	1,67E-05	5,33E-04	0	-1,33E-03

[5] The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

Resources Use indicators

	100% landfill					100% recycling				
	END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING	END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING
	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
Use of renewable primary energy (PERE) [MJ]	1,14E-04	3,90E-03	0	4,10E-02	-8,22E-03	1,14E-04	3,90E-03	5,43E-03	0	-1,99E-02
Primary energy resources used as raw materials (PERM) [MJ]	0	0	0	0	0	0	0	0	0	0
Total use of renewable primary energy resources (PERT) [MJ]	1,14E-04	3,90E-03	0	4,10E-02	-8,22E-03	1,14E-04	3,90E-03	5,43E-03	0	-1,99E-02
Use of non-renewable primary energy (PENRE) [MJ]	2,29E-02	5,31E-02	0	2,12E-01	-9,52E-02	2,29E-02	5,31E-02	5,53E-02	0	-1,28E-01
Non-renewable primary energy resources used as raw materials (PENRM) [MJ]	0	0	0	0	0	0	0	0	0	0
Total use of non-renewable primary energy resources (PENRT) [MJ]	2,29E-02	5,31E-02	0	2,12E-01	-9,52E-02	2,29E-02	5,31E-02	8,56E-03	0	-1,28E-01
Input of secondary material (SM) [kg]	0	0	0	0	0	0	0	0	0	0
Use of renewable secondary fuels (RSF) [MJ]	0	0	0	0	0	0	0	0	0	0
Use of non-renewable secondary fuels (NRSF) [MJ]	0	0	0	0	0	0	0	0	0	0
Use of net fresh water (FW) [m^3]	1,71E-07	1,88E-06	0	5,13E-05	-2,52E-05	1,71E-07	1,88E-06	1,45E-05	0	-3,47E-05

Waste Category & Output Flows

		100% landfill					100% recycling				
		END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING	END OF LIFE STAGE				REUSE, RECOVERY, RECYCLING
		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
	Hazardous waste disposed (HWD) [kg]	7,97E-13	1,92E-12	0	4,65E-11	-4,95E-05	7,97E-13	1,92E-12	7,63E-12	0	-4,95E-05
	Non-hazardous waste disposed (NHWD) [kg]	4,45E-06	6,98E-06	0	1,06E+00	-6,12E-04	4,45E-06	6,98E-06	1,40E-05	0	-4,47E-02
	Radioactive waste disposed (RWD) [kg]	2,66E-08	6,98E-08	0	2,26E-06	-5,85E-08	2,66E-08	6,98E-08	7,02E-07	0	-2,19E-06
	Components for re-use (CRU) [kg]	0	0	0	0	0	0	0	0	0	0
	Materials for Recycling (MFR) [kg]	0	0	0	0	0	0	0	1,06E+00	0	0
	Material for Energy Recovery (MER) [kg]	0	0	0	0	0	0	0	0	0	0
	Exported electrical energy (EEE) [MJ]	0	0	0	0	0	0	0	0	0	0
	Exported thermal energy (EET) [MJ]	0	0	0	0	0	0	0	0	0	0

Additional environmental information

The product has a M1 Emission Classification of Building Materials. Document no. 4687/19.06.2025.

Transport to other countries

The transport to building site (A4) in the main result is based on Finland. For transport to other countries per declared unit, additional sets of results are provided below. They are based on the data presented in table “A4. Transport to the building site” and the following distances:

Country	Truck (km)	Ship (km)
Estonia	225	90
Latvia	540	90
Lithuania	825	90
Sweden	110	325
Norway	600	325
Denmark	750	325

	ESTONIA	LATVIA	LITHUANIA	SWEDEN	NORWAY	DENMARK
	A4 Transport	A4 Transport	A4 Transport	A4 Transport	A4 Transport	A4 Transport
Climate Change [kg CO_2 eq.]	1,41E-02	3,22E-02	4,86E-02	1,07E-02	3,89E-02	4,75E-02
Climate Change (fossil) [kg CO_2 eq.]	1,40E-02	3,18E-02	4,80E-02	1,06E-02	3,84E-02	4,69E-02
Climate Change (biogenic) [kg CO_2 eq.]	2,76E-05	6,49E-05	9,86E-05	1,65E-05	7,45E-05	9,23E-05
Climate Change (land use change) [kg CO_2 eq.]	1,32E-04	3,16E-04	4,83E-04	6,46E-05	3,52E-04	4,40E-04
Ozone depletion [kg CFC-11 eq.]	1,63E-15	3,74E-15	5,65E-15	1,16E-15	4,44E-15	5,45E-15
Acidification terrestrial and freshwater [Mole of H+ eq.]	5,70E-05	8,03E-05	1,01E-04	1,54E-04	1,90E-04	2,01E-04
Eutrophication freshwater [kg P eq.]	3,49E-08	8,33E-08	1,27E-07	1,80E-08	9,33E-08	1,16E-07
Eutrophication marine [kg N eq.]	1,59E-05	2,49E-05	3,30E-05	3,74E-05	5,13E-05	5,56E-05
Eutrophication terrestrial [Mole of N eq.]	1,71E-04	2,66E-04	3,52E-04	4,08E-04	5,55E-04	6,00E-04
Photochemical ozone formation - human health [kg NMVOC eq.]	4,11E-05	6,06E-05	7,83E-05	1,05E-04	1,35E-04	1,45E-04
Resource use, mineral and metals [kg Sb eq.]	8,80E-10	2,07E-09	3,14E-09	5,26E-10	2,37E-09	2,94E-09
Resource use, energy carriers [MJ]	1,77E-01	4,06E-01	6,12E-01	1,31E-01	4,87E-01	5,95E-01
Water deprivation potential [m^3 world equiv.]	5,35E-05	1,25E-04	1,90E-04	3,33E-05	1,45E-04	1,79E-04
Use of renewable primary energy (PERE) [MJ]	1,21E-02	2,89E-02	4,41E-02	6,13E-03	3,23E-02	4,03E-02
Primary energy resources used as raw materials (PERM) [MJ]	0	0	0	0	0	0
Total use of renewable primary energy resources (PERT) [MJ]	1,21E-02	2,89E-02	4,41E-02	6,13E-03	3,23E-02	4,03E-02
Use of non-renewable primary energy (PENRE) [MJ]	1,77E-01	4,06E-01	6,12E-01	1,31E-01	4,87E-01	5,95E-01
Non-renewable primary energy resources used as raw materials (PENRM) [MJ]	0	0	0	0	0	0
Total use of non-renewable primary energy resources (PENRT) [MJ]	1,77E-01	4,06E-01	6,12E-01	1,31E-01	4,87E-01	5,95E-01
Input of secondary material (SM) [kg]	0	0	0	0	0	0
Use of renewable secondary fuels (RSF) [MJ]	0	0	0	0	0	0
Use of non-renewable secondary fuels (NRSF) [MJ]	0	0	0	0	0	0
Use of net fresh water (FW) [m^3]	5,87E-06	1,40E-05	2,13E-05	3,14E-06	1,57E-05	1,96E-05
Hazardous waste disposed (HWD) [kg]	6,40E-12	1,47E-11	2,22E-11	4,68E-12	1,75E-11	2,15E-11
Non-hazardous waste disposed (NHWD) [kg]	2,26E-05	5,27E-05	7,98E-05	1,47E-05	6,14E-05	7,57E-05
Radioactive waste disposed (RWD) [kg]	2,32E-07	5,32E-07	8,04E-07	1,66E-07	6,34E-07	7,77E-07
Components for re-use (CRU) [kg]	0	0	0	0	0	0
Materials for Recycling (MFR) [kg]	0	0	0	0	0	0
Material for Energy Recovery (MER) [kg]	0	0	0	0	0	0
Exported electrical energy (EEE) [MJ]	0	0	0	0	0	0
Exported thermal energy (EET) [MJ]	0	0	0	0	0	0
GWP-GHG / GWP-IOBC [kg CO_2 eq.]	1,40E-02	3,20E-02	4,82E-02	1,06E-02	3,85E-02	4,71E-02

Additional social and economic information

No additional information displayed.

Version history

Version 1, 2025/11/25. This is the original version of the EPD.

Abbreviations

DU	Declared unit
EPD	Environmental Product Declaration
eq.	equivalents
FU	Functional unit
g	gram
GJ	Giga Joules (as Net Calorific Value)
GO	Guarantee of Origin
GWP	Global Warming Potential
kg	kilogram
kWh	kilowatt-hour
L	liter
LCA	Life Cycle Assessment
LCI	Life Cycle Inventory Analysis
LCIA	Life Cycle Impact Assessment
MJ	Mega Joules (as Net Calorific Value)
PCR	Product Category Rules
RSL	Reference Service Life (in years)
ton	metric ton

References

1. EN 998-1:2016 Specification for mortar for masonry Rendering and plastering mortar
2. EN 15804:2012+A1:2013 - Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
3. EN 15804:2012+A2:2019/AC:2021 - Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
4. General Programme Instructions for the International EPD System. Version 5.0.1. The Internation EPD System.
5. EN 15978 Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method
6. PCR 2019:14 Construction products and Construction services. Version 2.0.1. The International EPD System.
7. 2019:14-c-PCR-017 Technical-chemical products (for construction sector) (c-PCR to PCR 2019:14) adopted from EPD Norway 2022-07-08.
8. European Chemical Agency, Candidate List of substances of very high concern for Authorization. https://echa.europa.eu/candidate-list-table
9. Project report for the verification of the Environmental Product Declaration of weber products, Saint-Gobain Finland Oy, 2025. 2025_1 Mortar_LCA report_Parainen_2025.docx.