ENVIRONMENTAL PRODUCT DECLARATION

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

weber ip 18

Version 2
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Valid until: 2029/12/08
Scope of the EPD®: Lithuania and Latvia

THE INTERNATIONAL EPD® SYSTEM

The International EPD® System:
Program operator: EPD International AB
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Programme information

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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 1.3.2

PCR review was conducted by: The Technical Committee of the International EPD® System

Independent third-party verification of the declaration and data, according to ISO 14025:2006:
☐ EPD process certification ☒ EPD verification

Third party verifier: Marcel Gómez
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Approved by: The International EPD© System

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

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Product information

Product name: weber ip 18

Declared unit: 1kg

UN CPC CODE: 37510 Non-refractory mortars and concretes

GTIN Number(s): 4779024420489

Company information

Manufacturer: Saint-Gobain Statybos Gamini UAB, Mėnulio str. 7, LT-04326 Vilnius, Lithuania.

Website: https://www.lt.weber/

Production plant(s): Neveronys plant, Alytaus g. 12A, LT-54479 Kaunas district, Lithuania.

Management system - related certifications: ISO 9001 (Certificate No. LT006496), ISO 14001 (Certificate No. LT006497)

LCA & EPD Information

Owner of the declaration: Saint-Gobain Statybos Gamini UAB

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EPD® prepared by: Quentin Lamache (Saint-Gobain Nordic & Baltic) and Laima Biezumaite-Anceviciene (Saint-Gobain Statybos Gaminiai UAB)

Type of EPD: Cradle to grave and module D

Geographical scope of the EPD®: Lithuania and Latvia

Year of data collection: 2023

Product description

Product description and description of use

This Environmental Product Declaration (EPD®) describes the environmental impacts of 1kg of weber ip 18.

weber ip 18 is a pump-able cement-lime render for interior and exterior concrete, bricks, blocks, etc. surface walls plastering and levelling. It can be used with a pump equipment or can be applied by hand.

All technical characteristics and properties for any product could be find on the website: https://www.lt.weber/glaistai-ir-tinkai/tinkavimo-sistemos/weber-ip-18

This EPD applies for one specific product produced in one single plant of Saint-Gobain Statybos Gamini UAB.

The product is delivered in 25 kg bags. All figures in this EPD refers to weber ip 18 in 25 kg.

Technical data/physical characteristics:

Technical data / physical characteristics		
Installation information (kg/m²)	16 kg/m²	
Thickness (mm) (informative)	5 – 20 mm	average thickness 10mm
Reaction to fire	A1	EN 998-1:2010
Water absorption	W2	EN 998-1:2011
Compressive strength	≥4 MPa, class CS III	EN 998-1:2010
Adhesion strength 28 days	> 0,5 MPa	EN 998-1:2011

Declaration of the main product components and/or materials

Description of the main components and/or materials:

Product components	Weight (%)	Post-consumer material weight (%)	Biogenic material weight- % and kg C/ DU
Binder	5 – 15 %	0 %	0 % and 0 kg
Filler / Aggregates	65 – 90 %	0 %	0 % and 0 kg
Additives	0,1 – 0,9 %	0 %	0,02 % and 0,0002 kg
Sum	**100%**	**0%**	**0,02 % and 0,0002 kg**

Packaging materials	Weight (kg)	Weight-% (vs the product)	Biogenic material, weight- kg C/ DU
Polyethylene	0,0004 kg With 30% of recycled content	0,04 %	0 kg
Composite bag	0,003 kg	0,3 %	0,00114 kg
Pallet	0,016 kg	1,6 %	0,0065 kg
Sum	**0,0194 kg**	**1,94 %**	**0,00766 kg**

Hazardous substances

At the date of issue of this declaration, the product contains one or more hazardous substance listed in the “Candidate List of Substances of Very High Concern (SVHC) for authorization” in a percentage higher than 0.1% of the weight of the product, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals).

Substance	CAS.no	Content range
Natural sand	14808-60-7	75 – 100%
Portland Cement	65997-15-1	10 – 20%
Calcium carbonate, Limestone	1317-65-3	5 – 10%
Hydrated lime, Calcium hydrate, Calcium dihydroxide	1305-62-0	≥2 – <3%

The verifier and the program operator do not make any claim nor have any responsibility of the legality of the product.

LCA calculation information

Parameter	Information
Type of epd	Cradle to gate with options and optional modules (A+B+C+D)
Declared unit	1 kg of weber ip 18
System boundaries	Mandatory stages = A1-A3; C1-C4 and D; Optional stages = A4-A5; B1-B7
Reference service life (rsl)	The Reference Service Life (RSL) of the mortar product is 50 years. This 50-year value is the amount of time that we recommend our products last for without refurbishment and corresponds to standard building design life.
Cut-off rules	All data is available, no cut-off rules has been applied. 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 as well have been followed. Long term emissions are considered.
Geographical coverage And time period	Scope: Lithuania and Latvia Data is collected from 1 production site Neveronys plant located in Lithuania. Data collected for the year 2023.
Background data source	The databases Sphera 2023.2 and ecoinvent v.3.9.1
Software	Sphera LCA for experts (GaBi) 10

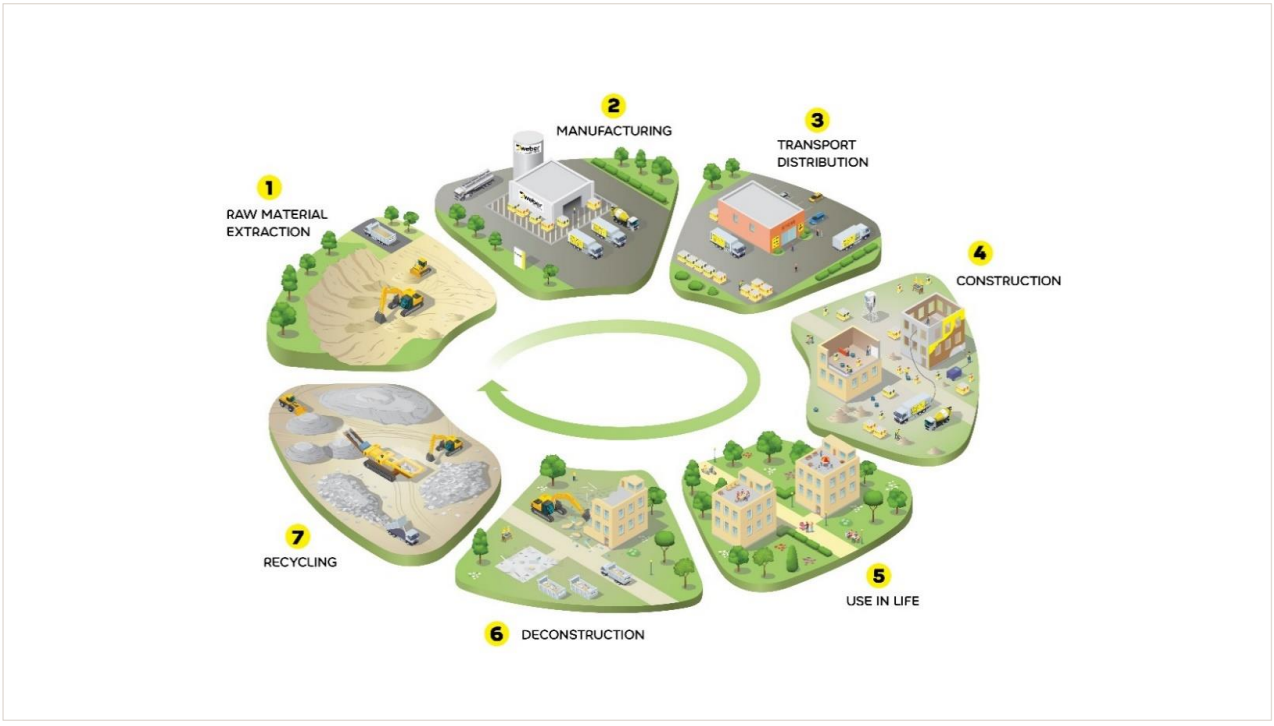
LCA scope

System boundaries (X=included. ND=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	X	X	X	X	X	X	X	X	X	X	X	X
Geography	GLO	GLO	LT	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV	LT & LV

Specific data used[1]	<10 % GWP- GHG
Variation products	0%
Variation sites	0%

Life cycle stages



[1] For this study, specific data is considered as energy and water consumptions, wastes and emissions related to the manufacturing process.

A1-A3. Product stage

The product stage of plaster products is subdivided into 3 modules:

A1. Raw materials supply
This module includes the extraction and transformation of raw materials.

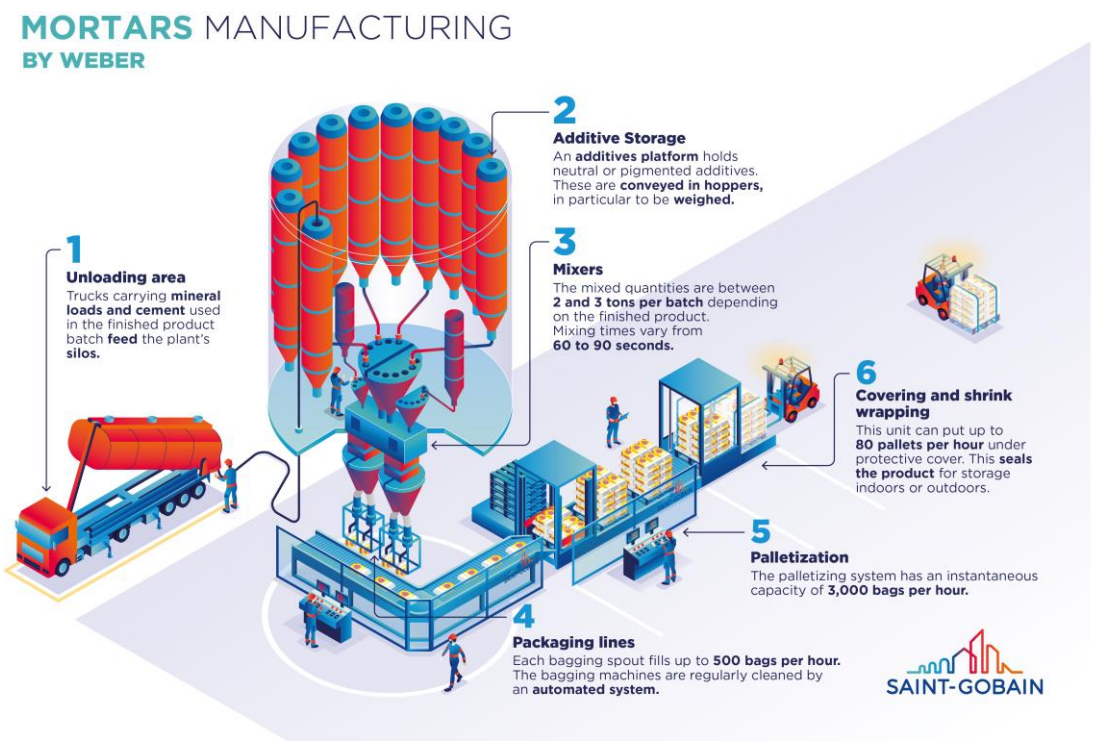
A2. Transport to the manufacturer
This module includes the transportation of raw materials to the manufacturing site. The modelling includes road and boat transportations.

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.

During the manufacturing process, electricity based on 100% renewable electricity bought with Guarantee of Origin (GO) has been used. The amount of electricity purchases with GO's correspond to 100% of the electricity consumed at the manufacturing site, leaving 0% to be covered by the Lithuanian national grid mix.

Manufacturing process flow diagram

System diagram:
Basic scheme of a Mortar Production line



Manufacturing in detail:

The manufacturing activities include grinding, drying, storing, mixing, packing and internal transportation. Packaging-related flows in the production process and all up-stream packaging are included in the manufacturing module, i.e., wooden pallets, bags, and LDPE film.

Electricity information

The factory based in Lithuania uses the following electricity description.

Parameter	Value / description
Location	Electricity purchased by Saint-Gobain Statybos Gaminiai UAB
Share of electricity covered by Guarantee of Origin	100% of the electricity consumption is covered by the GO.
Geographical representativeness description	Split of electricity bought with Guarantee of Origin: Hydro 36,73 % Photovoltaic 0,81 % Wind 49,74 % Thermal 12,73 %
Reference year	For GO: 2023 *The GO will be prolonged to be valid at least to the validity of this EPD*.*
Type of dataset	Cradle to gate from Sphera and ecoinvent databases
Source	Guarantee of Origin: Sphera dataset (2023) and certificates from Ignitis.
CO_2 emission (kg CO_2 eq. / kWh) (Based on Climate Change Fossil Indicator)	Guarantee of Origin: 0,01332 kg of CO_2 eq /kWh

**Revised yearly.*

A4-A5. Construction process stage

The construction process is divided into 2 modules:

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 / Description
Fuel type and consumption of vehicle or vehicle type used for transport e.g., long distance truck, boat, etc.	Freight truck, maximum load weight of 24 t and consumption of 0,38 liters diesel per km. Real 24 t payload
Distance	140 km by truck
Capacity utilization (including empty returns)	100% of the capacity in weight 30% of empty returns
Bulk density of transported products	1382,6 kg/m^3

A5. Installation in the building:

This module includes the parameters for installing the product at the building site. All installation materials and their waste processing are included.

Parameter	Value / Description
Secondary materials for installation (specified by materials)	None
Water use	0.17 liters/kg of weber ip 18
Other resource use	None
Quantitative description of energy type (regional mix) and consumption during the installation process	0.0612 MJ/kg of weber ip 18

Scrap rate	0% losses during installation 5% losses from bag and mixer 100% packaging
Wastage of materials on the building site before waste processing, generated by the product's installation (specified by type)	Product: 0,05 kg Polyethylene: 0,0004 kg Composite bag: 0,003 kg Wooden pallet: 0,016 kg
Output materials (specified by type) as results of waste processing at the building site e.g., of collection for recycling, for energy recovering, disposal (specified by route)	Product: 0,05 kg to landfil Polyethylene: 0,0004 kg to landfil Composite bag: 0,003 kg to landfil Wooden pallet: 0,016 kg to landfil
Use of pallet	7 times before end of life
Distance to waste treatment facilities	25 km to landfill
Direct emissions to ambient air, soil, and water	None

B1-B7. Use stage (excluding potential savings)

The use stage is divided into the following modules:

- B1: Use
- B2: Maintenance
- B3: Repair
- B4: Replacement
- B5: Refurbishment
- B6: Operational energy use
- B7: Operational water use

Once installation is complete, no actions or technical operations are required during the use stages until the end-of-life stage. The product does not require any energy, water or material input to keep it in working. The product covered by this EPD does not require any maintenance as it is aimed for gluing different types of tiles. In addition, due to the product durability, maintenance, repair, replacement, or restoration are irrelevant in the specified applications. Declared product performances therefore assume a working life that equals the building's lifetime. For this reason, no environmental loads are attributed to any of the modules between B1 and B7 excepting facade products for which carbonation is considered.

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
Transport to waste processing
C3. Waste processing for reuse, recovery and/or recycling
Waste processing for reuse, recovery and/or recycling
C4. Disposal
The product is landfilled at the end of life.

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

Parameter	Value / Description
Energy for de-construction / demolition	0.045 MJ/kg diesel
Collection process specified by type	1 kg collected with mixed construction waste, plus part of water.
Recovery system specified by type	0 kg of product to recycling, 0 kg for incineration with/without energy recovery
Disposal specified by type	1 kg of product to municipal landfill
Assumptions for scenario development (e.g., transportation)	The waste going to landfill will be transported by truck with 27 t payload, using diesel as a fuel consuming of 0,38 liters per km. Distance to landfill: 25 km

D. Reuse/recovery/recycling potential

There is no inclusion of secondary materials in the product.

100**%** of wastes are considered landfilled. Reuse, recycling, and/or incineration with energy recovery is considered for the packaging.

Considering all the above, the benefits or loads reported on stage D are due to the packaging, considering the reuse of the pallet and recycled content in the polyethylene packaging, both going to landfilled.

LCA results

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 are from the ILCD. Raw materials and energy consumption, as well as transport distances have been taken directly from the manufacturing plant. Characterization factors of EN15804 are based on EF 3.1.

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.

All emissions to air, water, and soil, and all materials and energy used have been included.

The results of the impact categories abiotic depletion of minerals and metals, land use, human toxicity (cancer), human toxicity, noncancer and ecotoxicity (freshwater) may be highly uncertain in LCAs that include capital goods/infrastructure in generic datasets in case infrastructure/capital goods contribute greatly to the total results. This is because the LCI data of infrastructure/capital goods used to quantify these indicators in currently available generic datasets sometimes lack temporal, technological, and geographical representativeness. Caution should be taken when using the results of these indicators for decision-making purposes.

Since this EPD includes module C, we strongly advise not to use the results of modules A1-A3 without considering the results of module C.

All figures refer to a declared unit of 1kg of weber ip 18.

The following results corresponds to a single product manufactured in a single plant.

Environmental Impacts

Environmental indicators	Product stage	Construction stage		Use stage							End of life stage				Benefits and loads beyond the 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 CO_2 eq.]	1,47E-01	9,81E-03	4,39E-02	0	0	0	0	0	0	0	4,16E-03	1,86E-03	0	1,55E-02	7,78E-04
Climate Change (fossil) [kg CO_2 eq.]	1,75E-01	9,69E-03	1,58E-02	0	0	0	0	0	0	0	4,15E-03	1,84E-03	0	1,54E-02	5,34E-04
Climate Change (biogenic) [kg CO_2 eq.]	-2,86E-02	2,57E-05	2,81E-02	0	0	0	0	0	0	0	3,60E-06	5,01E-06	0	9,40E-04	2,18E-04
Climate Change (land use change) [kg CO_2 eq.]	1,26E-04	9,12E-05	1,49E-05	0	0	0	0	0	0	0	7,92E-08	1,72E-05	0	4,86E-05	2,51E-05
Ozone depletion [kg CFC-11 eq.]	4,48E-10	8,62E-16	3,92E-11	0	0	0	0	0	0	0	3,20E-16	2,42E-16	0	3,98E-14	8,00E-12
Acidification terrestrial and freshwater [Mole of H+ eq.]	2,75E-04	1,09E-05	3,27E-05	0	0	0	0	0	0	0	6,55E-06	2,37E-06	0	1,11E-04	-3,22E-06
Eutrophication freshwater [kg P eq.]	2,94E-06	3,59E-08	1,96E-07	0	0	0	0	0	0	0	8,04E-10	6,81E-09	0	3,15E-08	-1,33E-06
Eutrophication marine [kg N eq.]	9,22E-05	3,69E-06	1,55E-05	0	0	0	0	0	0	0	2,26E-06	8,30E-07	0	2,87E-05	2,52E-06
Eutrophication terrestrial [Mole of N eq.]	1,00E-03	4,37E-05	1,00E-04	0	0	0	0	0	0	0	2,50E-05	9,72E-06	0	3,15E-04	-1,12E-05
Photochemical ozone formation - human health [kg NMVOC eq.]	2,77E-04	9,45E-06	2,72E-05	0	0	0	0	0	0	0	6,85E-06	2,08E-06	0	8,65E-05	-4,04E-06
Resource use, mineral and metals [kg Sb eq.][2]	3,87E-08	6,40E-10	3,17E-09	0	0	0	0	0	0	0	4,20E-11	1,23E-10	0	7,23E-10	1,49E-09
Resource use, energy carriers [MJ][2]	1,36E+00	1,34E-01	2,04E-01	0	0	0	0	0	0	0	5,53E-02	2,54E-02	0	2,08E-01	1,00E-02
Water deprivation potential [m^3 world equiv.][2]	1,05E-02	1,14E-04	1,04E-02	0	0	0	0	0	0	0	1,07E-05	2,25E-05	0	1,72E-03	6,61E-04

[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

Resources Use indicators	Product stage	Construction stage		Use stage							End of life stage				Benefits and loads beyond the 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
Use of renewable primary energy (PERE) [MJ][3]	2,47E-01	9,48E-03	8,38E-02	0	0	0	0	0	0	0	2,44E-04	1,85E-03	0	3,39E-02	-6,52E-02
Use of renewable primary energy resources used as raw materials (PERM) [MJ] [3]	2,76E-01	0	-2,05E-01	0	0	0	0	0	0	0	0	0	0	0	0
Total use of renewable primary energy resources (PERT) [MJ] [3]	5,23E-01	9,48E-03	-1,21E-01	0	0	0	0	0	0	0	2,44E-04	1,85E-03	0	3,39E-02	-6,52E-02
Use of non-renewable primary energy (PENRE) [MJ] [3]	1,30E+00	1,34E-01	2,01E-01	0	0	0	0	0	0	0	5,55E-02	2,55E-02	0	2,08E-01	1,00E-02
Non-renewable primary energy resources used as raw materials (PENRM) [MJ] [3]	6,65E-02	0	3,33E-03	0	0	0	0	0	0	0	0	0	0	0	0
Total use of non-renewable primary energy resources (PENRT) [MJ] [3]	1,36E+00	1,34E-01	2,05E-01	0	0	0	0	0	0	0	5,55E-02	2,55E-02	0	2,08E-01	1,01E-02
Input of secondary material (SM) [kg]	1,09E-04	0	5,46E-06	0	0	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	0	0	0	0	0
Use of non-renewable secondary fuels (NRSF) [MJ]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of net fresh water (FW) [m^3]	3,17E-04	1,04E-05	2,73E-04	0	0	0	0	0	0	0	3,97E-07	2,02E-06	0	5,26E-05	1,54E-05

[3] From EPD International Construction Product PCR 1.3.2 (Annex 3). The option B was retained 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]	7,02E-06	4,97E-13	3,54E-07	0	0	0	0	0	0	0	1,60E-13	7,88E-14	0	4,53E-12	1,15E-08
Non-hazardous waste disposed (NHWD) [kg]	1,93E-02	1,94E-05	5,97E-02	0	0	0	0	0	0	0	1,15E-05	3,88E-06	0	1,04E+00	3,15E-05
Radioactive waste disposed (RWD) [kg]	2,53E-05	1,74E-07	1,98E-05	0	0	0	0	0	0	0	6,40E-08	4,76E-08	0	2,38E-06	-1,83E-08
Components for re-use (CRU) [kg]	0	0	1,46E-02	0	0	0	0	0	0	0	0	0	0	0	0
Materials for Recycling (MFR) [kg]	9,58E-04	0	4,79E-05	0	0	0	0	0	0	0	0	0	0	0	0
Material for Energy Recovery (MER) [kg]	0	0	0	0	0	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	0	0	0	0	0
Exported thermal energy (EET) [MJ]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Additional 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 / GWP-IOBC [kg CO_2 eq.][4]	1,75E-01	9,78E-03	1,58E-02	0	0	0	0	0	0	0	4,15E-03	1,86E-03	0	1,55E-02	5,59E-04

Information on biogenic carbon content

	At factory gate
Biogenic Carbon Content in kg C	**A1 / A2 / A3**
Biogenic carbon content in product [kg]	2,35E-04
Biogenic carbon content in packaging [kg]	7,64E-03

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

The product contains biogenic carbon due to the additives used. Regarding packaging, biogenic carbon is quantified due to wooden pallets production.

[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.

Additional information:

Indoor Environment

The product has not been tested.

Transport to other countries

The transport to building site (A4) in the main result is based on Lithuania.
For transport to other countries, an additional set of results is provided below, based on the following distances:

Country	Truck (km)	Ship (km)	Rail (km)
Latvia	200	0	0

	Latvia
	A4 Transport
Environmental indicators	
Climate Change [kg CO_2 eq.]	1,40E-02
Climate Change (fossil) [kg CO_2 eq.]	1,38E-02
Climate Change (biogenic) [kg CO_2 eq.]	3,67E-05
Climate Change (land use change) [kg CO_2 eq.]	1,30E-04
Ozone depletion [kg CFC-11 eq.]	1,23E-15
Acidification terrestrial and freshwater [Mole of H+ eq.]	1,56E-05
Eutrophication freshwater [kg P eq.]	5,13E-08
Eutrophication marine [kg N eq.]	5,27E-06
Eutrophication terrestrial [Mole of N eq.]	6,24E-05
Photochemical ozone formation - human health [kg NMVOC eq.]	1,35E-05
Resource use, mineral and metals [kg Sb eq.]	9,14E-10
Resource use, energy carriers [MJ]	1,91E-01
Water deprivation potential [m^3 world equiv.]	1,62E-04
Resource Use Indicators	
Use of renewable primary energy (PERE) [MJ]	1,35E-02
Primary energy resources used as raw materials (PERM) [MJ]	0,00E+00
Total use of renewable primary energy resources (PERT) [MJ]	1,35E-02
Use of non-renewable primary energy (PENRE) [MJ]	1,92E-01
Non-renewable primary energy resources used as raw materials (PENRM) [MJ] [2]	0,00E+00
Total use of non-renewable primary energy resources (PENRT) [MJ]	1,92E-01
Input of secondary material (SM) [kg]	0,00E+00
Use of renewable secondary fuels (RSF) [MJ]	0,00E+00
Use of non-renewable secondary fuels (NRSF) [MJ]	0,00E+00
Use of net fresh water (FW) [m^3]	1,49E-05
Waste category & Output flows	
Hazardous waste disposed (HWD) [kg]	7,10E-13
Non-hazardous waste disposed (NHWD) [kg]	2,76E-05
Radioactive waste disposed (RWD) [kg]	2,48E-07
Components for re-use (CRU) [kg]	0,00E+00
Materials for Recycling (MFR) [kg]	0,00E+00
Material for Energy Recovery (MER) [kg]	0,00E+00
Exported electrical energy (EEE) [MJ]	0,00E+00
Exported thermal energy (EET) [MJ]	0,00E+00
Additional Indicator	
GWP-GHG / GWP-IOBC [kg CO_2 eq.]	1,40E-02

Information related to EPD of multiple products

This EPD corresponds to a single product manufactured in a single plant, therefore no information needed.

Information related to Sector EPD

This is a product specific EPD, therefore no information needed.

Differences with previous versions of the EPD

The differences versus previously published version are, the use of more recent data from 2023 compared to 2018 data in the previous version, the compliance with the updated 15804:2012+A2:2019/AC:2021 and PCR 2019:14 Construction Products, version 1.3.2 standards.

Additionally, the background data used in the previous version are from (from 2015 to 2018) and GaBi (from 2013 to 2018), while the current version is based on the databases Sphera 2023.2 and ecoinvent v.3.9.1

The study has also been changed from a functional unit of "1 m² of weber ip 18 being the reference layer thickness applied product 1mm and reference mass by 1m² 1.6kg" to a declared unit of "1kg of weber ip 18".

Considering all the above, scenario (e.g., distance of transport to the building site, scrape rate for installation in the building, etc.), the indicators and the results have been updated.

References

1. ISO 14040:2006: Environmental Management-Life Cycle Assessment-Principles and framework.
2. ISO 14044:2006: Environmental Management-Life Cycle Assessment-Requirements and guidelines.
3. ISO 14025:2006: Environmental labels and Declarations-Type III Environmental Declarations-Principles and procedures.
4. EN 998-1:2016 Specification for mortar for masonry Rendering and plastering mortar
5. EN 15804:2012+A1:2013 - Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
6. EN 15804:2012+A2:2019/AC:2021 - Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
7. EPD International (2021) General Programme Instructions for the International EPD® System. Version 4.0. www.environdec.com.
8. EN 15978 Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method
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10. European Chemical Agency, Candidate List of substances of very high concern for Authorization. https://echa.europa.eu/candidate-list-table
11. Project report for the verification of the Declaration of weber products, Saint-Gobain Statybos Gamini UAB, November 2024, version 2