ENVIRONMENTAL PRODUCT DECLARATION

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

weber.floor 4095

Version 1
Date of publication: 2025/01/27
Validity: 5 years
Valid until: 2029/12/10
Scope of the EPD®: Europe

THE INTERNATIONAL EPD® SYSTEM

Registration number
The International EPD® System:
EPD-IES-0019467

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

Production plant: Brieselang

Saint-Gobain Weber GmbH

Programme information

PROGRAMME:	The International EPD® System
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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

President: Massimo Marino

Independent third-party verification of the declaration and data, according to ISO 14025:2006:

☐ EPD process certification ☒ EPD verification

Third party verifier: Dr. Andrew Norton, a.norton@renuables.co.uk

Approved by: The International EPD© System

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

EPDs within the same product category but registered 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 version number up to the first two digits) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical DU/FU); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of Comparison. For further information about comparability, see EN 15804:2012+A2:2019/AC:2021 and ISO 14025:2006.

Product information

Company information

Manufacturer: Saint-Gobain Weber GmbH, Schanzenstraße 84, 40549 Düsseldorf
Production plant(s): Hafenstraße 1, 14656 Brieselang
Management system - related certifications: DIN EN ISO 9001:2015

Programme used: EN 15804:2012+A2:2019/AC 2021 Sustainability of construction works – Environmental product declaration - core rules for the product category of construction product and The International EPD® System
PCR identification: PCR 2019:14 version 1.3.2 for Construction products
Prepared by: IVL Swedich Environemental Research Institute, EPD International Secretariat
UN CPC CODE: 37510 Non-refractory mortars and concretes

Owner of the declaration: Saint-Gobain Weber GmbH, Schanzenstraße 84, 40549 Düsseldorf
Product name and manufacturer represented: This EPD describes the environmental impact of weber.floor 4095
EPD® prepared by: Heike Zehnter (heike.zehnter@saint-gobain.com), Sophia Stark (Sophia.stark@saint-gobain.com) and Georgina Quentin (Georgina.quentin@saint-gobain.com)
The intended use of this EPD is for B2B communication.
Geographical scope of the EPD®: EU
EPD® registration number: EPD-IES-0019467
Declaration issued: 2025/01/27, valid until: 2030/01/26

Demonstration of verification: An independent verification of the declaration was made, according to ISO 14025:2010. This verification was external and conducted by the following third party based on the PCR mentioned above (see information below).

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

Product description

Product description and description of use

Weber.floor 4095 is a self-levelling calcium sulphate-based floor levelling compound in accordance with DIN EN 13813 for levelling and smoothing floors. The self-levelling floor filler can be used both in new buildings and for renovations in residential and commercial buildings and forms a load-bearing, low-stress substrate for all common interior floor coverings.

This EPD applies to one specific product manufactured by Saint-Gobain Weber GmbH in Brieselang, Germany.

Technical data/physical characteristics:

Parameter	Value / Description	Method
Reaction to fire	A1 fl	DIN EN 13501-1
Processing time	Ca. 25 – 30 Min	
Layer thickness	1 – 10 mm	
Walkability	2 – 4 h	
Light loadable	24 h	

Declaration of the main product components and/or materials

Description of the main components and/or materials:

Product components	Weight (kg)	Post-consumer recycled material weight (%)	Biogenic material, weight-% and kg C/kg product
Binders	40 – 55 %	0 %	0
Mineral inert	45 – 60 %	0 %	0
Additives	1 – 4 %	0 %	0,003 kg
Sum	**100%**	**0 %**	
Packaging materials	**Weight (kg)**	**Weight versus the product (%)**	**Weight biogenic carbon, kg C/kg product**
Polyethylene bag	0,003	0,3 %	0
Low-density polyethylene film	0,0005	0,05 %	0
Wooden pallet	0,02	2,2 %	0,014 kg

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).

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

LCA calculation information

TYPE OF EPD	Cradle to gate with options and optional modules (A+B+C+D)
DECLARED UNIT	1 kg of dry powder
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	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.
GEOGRAPHICAL COVERAGE AND TIME PERIOD	Scope: Europe Data is collected from one production site Brieselang located in Germany 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. MND=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	X	X	X	X	X	X	X	X	X	X	X	X
Geography	GLO	GLO	DE	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU

Specific data used	24 % GWP- GHG
Variation products	One site one product
Variation sites	One site one product

Life cycle stages

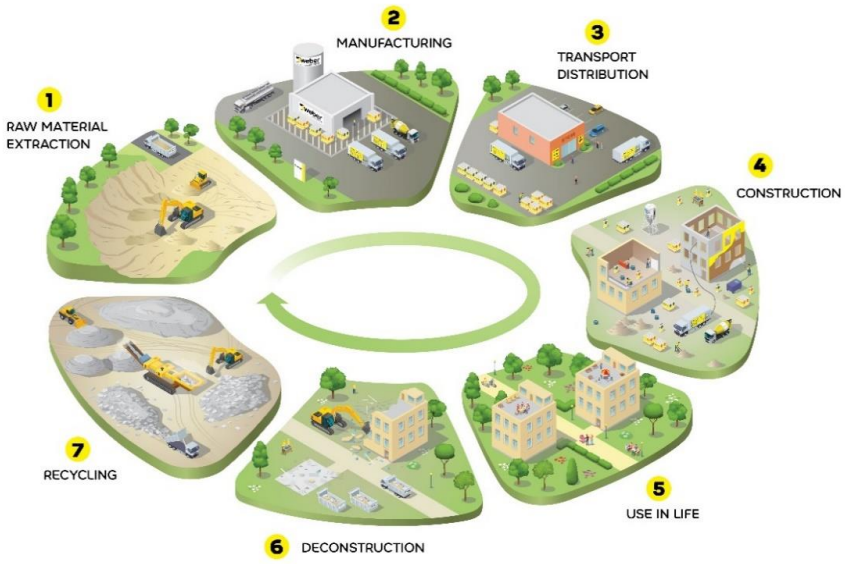


Figure 1.Flow diagram of the Life Cycle

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.

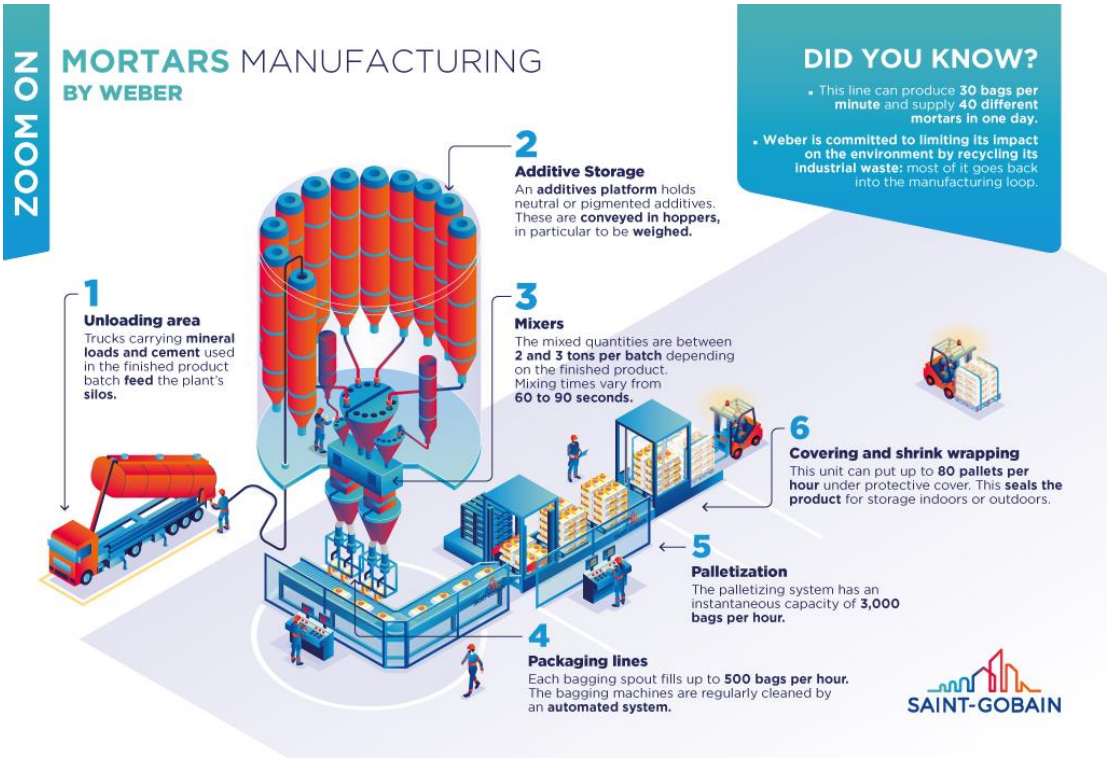
A2. Transport to the manufacturer
This module includes the transportation of raw materials and packaging to the manufacturing site. The modelling includes road, boat and/or train transportations.

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.

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.

Manufacturing process flow diagram

System diagram:
Basic scheme of a Mortar Production line



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 27 t payload, diesel consumption 38 liters for 100 km
Distance	100 km
Capacity utilisation (including empty returns)	62% of the capacity in mass 30% of empty returns
Bulk density of transported products*	1657 kg / m^3
Volume capacity utilisation factor	1 (by default)

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.

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
secondary materials for installation (specified by materials)	none
Water use	0,23 l/kg of product
Other resource use	None
Quantitative description of energy type (regional mix) and consumption during the installation process	0,004 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 (to landfill)
Output materials (specified by type) as results of waste processing at the building site e.g. of collection for recycling, for energy recovering, disposal	Polyethylene bag: 0,003 kg/DU and Polyethylene film: < 0,01 kg/DU to 25% landfill, 25% recycling, 50% incineration. Wooden pallet: 0,021 kg/DU to reused.
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.

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. A consumption of 0.05 MJ/kg of demolished product is used for this stage.

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
Collection process specified by type	1,125 kg collected with mixed construction waste
Disposal specified by type	100 % to landfill
Assumptions for scenario development (e.g. transportation)	Average truck trailer with 27t payload, diesel consumption 38 l/100km; 50 km distance to landfill

D. Reuse/recovery/recycling potential

Packaging could be partly reuse recycle, incineration or landfill. The D module contains the benefits or load linked to the future use of recycled packaging or incineration with thermal energy use.

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. Characterisation factors EN15804 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 exercised when using the results of these indicators for decision-making purposes.

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 following optional 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] and Land Use [Pt].

Disclaimer 3: This EPD including module C, we strongly advise against using the results of modules A1-A3 without considering the results of module C.

All figures refer to a declared unit of 1kg of dry powder.

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 [kg CO2 eq.]	1,98E-01	6,74E-03	5,11E-02	0	0	0	0	0	0	0	5,05E-03	4,07E-03	0,00E+00	1,76E-02	-4,78E-03
Climate Change (fossil) [kg CO2 eq.]	2,30E-01	6,66E-03	1,95E-02	0	0	0	0	0	0	0	5,04E-03	4,02E-03	0,00E+00	1,68E-02	-4,80E-03
Climate Change (biogenic) [kg CO2 eq.]	-3,23E-02	1,77E-05	3,15E-02	0	0	0	0	0	0	0	4,38E-06	1,09E-05	0,00E+00	7,33E-04	1,88E-05
Climate Change (land use change) [kg CO2 eq.]	2,13E-04	6,27E-05	1,87E-05	0	0	0	0	0	0	0	9,61E-08	3,77E-05	0,00E+00	5,31E-05	-8,17E-07
Ozone depletion [kg CFC-11 eq.]	8,30E-10	5,92E-16	4,51E-11	0	0	0	0	0	0	0	3,88E-16	5,29E-16	0,00E+00	4,34E-14	-1,16E-10
Acidification terrestrial and freshwater [Mole of H+ eq.]	4,76E-04	7,65E-06	3,36E-05	0	0	0	0	0	0	0	7,95E-06	5,18E-06	0,00E+00	1,21E-04	-1,45E-05
Eutrophication freshwater [kg P eq.]	1,44E-05	2,47E-08	7,73E-07	0	0	0	0	0	0	0	9,76E-10	1,49E-08	0,00E+00	3,44E-08	-5,56E-07
Eutrophication marine [kg N eq.]	1,27E-04	2,61E-06	9,49E-06	0	0	0	0	0	0	0	2,75E-06	1,81E-06	0,00E+00	3,13E-05	-2,28E-06
Eutrophication terrestrial [Mole of N eq.]	1,35E-03	3,09E-05	9,81E-05	0	0	0	0	0	0	0	3,03E-05	2,12E-05	0,00E+00	3,44E-04	-2,50E-05
Photochemical ozone formation - human health [kg NMVOC eq.]	4,60E-04	6,64E-06	3,10E-05	0	0	0	0	0	0	0	8,31E-06	4,54E-06	0,00E+00	9,44E-05	-1,48E-05
Resource use, mineral and metals [kg Sb eq.][1]	3,68E-07	4,39E-10	1,98E-08	0	0	0	0	0	0	0	5,10E-11	2,70E-10	0,00E+00	7,90E-10	-5,46E-09
Resource use, energy carriers [MJ][1]	4,49E+00	9,20E-02	2,57E-01	0	0	0	0	0	0	0	6,72E-02	5,54E-02	0,00E+00	2,27E-01	-1,10E-01
Water deprivation potential [m³ world equiv.][1]	6,93E-02	7,80E-05	1,61E-02	0	0	0	0	0	0	0	1,30E-05	4,92E-05	0,00E+00	1,88E-03	-1,12E-03

[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 indicator.

Resources Use

Resources Use indicators[2]	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]	3,80E-01	6,51E-03	3,90E-02	0	0	0	0	0	0	0	2,96E-04	4,03E-03	0,00E+00	3,71E-02	-2,05E-03
Primary energy resources used as raw materials (PERM) [MJ] [2]	3,34E-01	0,00E+00	-2,90E-01	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (PERT) [MJ] [2]	7,13E-01	6,51E-03	-2,51E-01	0	0	0	0	0	0	0	2,96E-04	4,03E-03	0,00E+00	3,71E-02	-2,05E-03
Use of non-renewable primary energy (PENRE) [MJ] [2]	3,78E+00	9,23E-02	2,46E-01	0	0	0	0	0	0	0	6,73E-02	5,56E-02	0,00E+00	2,28E-01	-1,10E-01
Non-renewable primary energy resources used as raw materials (PENRM) [MJ] [2]	7,24E-01	0,00E+00	-3,70E-02	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy resources (PENRT) [MJ] [2]	4,50E+00	9,23E-02	2,09E-01	0	0	0	0	0	0	0	6,73E-02	5,56E-02	0,00E+00	2,28E-01	-1,10E-01
Input of secondary material (SM) [kg]	0,00E+00	0,00E+00	0,00E+00	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF) [MJ]	0,00E+00	0,00E+00	0,00E+00	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non-renewable secondary fuels (NRSF) [MJ]	0,00E+00	0,00E+00	0,00E+00	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW) [m3]	1,73E-03	7,18E-06	3,85E-04	0	0	0	0	0	0	0	4,82E-07	4,42E-06	0,00E+00	5,75E-05	-2,61E-05

[3] From EPD International Construction Product PCR 1.3.2 (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]	3,29E-06	3,41E-13	1,78E-07	0	0	0	0	0	0	0	1,94E-13	1,72E-13	0,00E+00	4,95E-12	-2,01E-07
Non-hazardous waste disposed (NHWD) [kg]	3,46E-02	1,33E-05	6,01E-02	0	0	0	0	0	0	0	1,39E-05	8,48E-06	0,00E+00	1,14E+00	-3,65E-04
Radioactive waste disposed (RWD) [kg]	4,84E-05	1,19E-07	3,88E-06	0	0	0	0	0	0	0	7,77E-08	1,04E-07	0,00E+00	2,59E-06	-4,67E-08
Components for re-use (CRU) [kg]	0,00E+00	0,00E+00	1,93E-02	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for Recycling (MFR) [kg]	2,40E-02	0,00E+00	2,11E-03	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for Energy Recovery (MER) [kg]	0,00E+00	0,00E+00	0,00E+00	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE) [MJ]	0,00E+00	0,00E+00	0,00E+00	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET) [MJ]	0,00E+00	0,00E+00	5,12E-02	0	0	0	0	0	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

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]	2,31E-01	6,72E-03	1,96E-02	0	0	0	0	0	0	0	5,04E-03	4,06E-03	0,00E+00	1,69E-02	-4,80E-03

[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.

Information on biogenic carbon content

	PRODUCT STAGE
Biogenic Carbon Content in kg C	**A1 / A2 / A3**
Biogenic carbon content in product [kg]	0,0002
Biogenic carbon content in packaging [kg]	0,0088

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

Additional information:

Influence of transportation to other countries

The result of stage A4 (transportation of product) in the table of this EPD refers to transportation of 100 km. This product might also be delivered to the countries in the table below. To adapt the impact of transportation in the A4 column, the results expressed in this EPD must be multiplied by a corresponding multiplication factor below.

Destination	Average Distance [km]	Multiplication Factor
Europe (EPD reference value)	100	1
Germany	350	3,5
Austria	816	8,2
Belgium	450	4,5
Czech Republic	484	4,8
Denmark	631	6,3
England	1013	10,1
Finland	1973	19,7
France	726	7,3
Hungary	1148	11,5
Ireland	1495	15,0
Italy	1654	16,5
Netherlands	360	3,6
Norway	1039	10,4
Poland	948	9,5
Romania	1484	14,8
Slovakia	854	8,5
Slovenia	1000	10,0
Spain	2031	20,3
Switzerland	688	6,9
Turkey	2803	28,1

Electricity information

The factory based in Brieselang, uses electricity with Guarantee of Origin certificate (GO's). Hence, the electricity mix considered for the manufacturing of the studied product is modelled according to the electricity mix described in the Guarantee of Origin certificate. The amount of electricity purchased with GO's covers 100% of the electricity consumption on the manufacturing site.

Type of information	Description
Location	Electricity purchased by Saint-Gobain
Share of electricity covered by Guarantee of Origin	100% of the energy consumption is covered by the GO
Energy sources for electricity	Share of energy sources: 100% energy from hydropower plants
Type of dataset	Cradle to gate from GaBi and ecoinvent databases
Source	Sphera dataset (2023.2) Guarantee of Origin certificate: Ökostrom Zertifikat Pfalzwerke
CO_2 emission kg CO_2 eq. / kWh	0.00614 kg of CO_2 eq/kWh - Climate Change - fossil indicator

Data quality

Inventory data quality is judged by geographical, temporal, and technological representativeness. To cover these requirements and to ensure reliable results, first-hand industry data crossed with LCA background datasets were used. The data was collected from internal records and reporting documents from Saint Gobain WEBER, Germany. After evaluating the inventory, according to the defined ranking in the LCA report, the assessment reflects 100% inventory data quality.

Differences with previous versions of the EPD

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. EPD International (2021) General Programme Instructions for the International EPD® System. Version 4.0. www.environdec.com.
5. EN 15978 Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method
6. The International EPD System PCR 2019:14 Construction products and Construction services. Version 1.3.2
7. European Chemical Agency, Candidate List of substances of very high concern for Authorization. https://echa.europa.eu/candidate-list-table
8. Technical document weber.floor 4095: https://www.de.weber/files/de/2024-03/TM_weber_floor_4095_192_de_20240304.pdf