ENVIRONMENTAL PRODUCT DECLARATION

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

Cementitious Tile Grouts (CG2 WA) – Webercolor

EPD of multiple products, based on a representative product. Webercolor PORCELÁNICA, Webercolor PREMIUM FINA and Webercolor PREMIUM OCEAN

Version 1
Version date: 2026/05/29
Validity: 5 years
Validity date: 2031/05/28

Programme: The International EPD System, www.environdec.com
Programme operator: EPD International AB
Type of EPD: EPD of multiple products from a company
Registration number: EPD-IES-0032257:001

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

Weber, Saint-Gobain

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:	support@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

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

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

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: Marcel Gómez;
Marcel Gómez Consultoria Ambiental S.L.
(www.marcelgomez.com)
Tlf 0034 630 64 35 93
Email: info@marcelgomez.com
Approved by: The International EPD© System

Procedure for follow-up of data during EPD validity involves third part 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

Address and contact information about the EPD owner:
SG WEBER CEMARKSA, S.A. Crta. C-17 km.2 08110 Montcada i Reixac (Barcelona)

Description of the organization of the EPD owner:
At Weber, we believe that the most important aspect of the construction industry is caring for people and their environment. Weber develops, produces, and sells solutions based on industrial mortars and construction chemicals for building and renovation projects.

Weber is made up of 10,000 people across 64 countries, supported by nearly 200 production units. Weber's services and solutions are designed to help customers save time, feel safe and comfortable, succeed in their work, and grow their business.

Our brand promises:

- **Well-being:** We care about everyone's safety and benefit. Making life easier, more convenient, and more comfortable.
- **Empathy:** We care about people. Listening to what matters to them and considering their needs. Helping everyone grow. Responding to the many challenges of today's world and adapting to the diversity of the lives within it.
- **Sustainability over time:** We care about the present, but also about the future. Taking responsibility to lead change and build a tomorrow that is in harmony with its environment.

Weber, a Saint-Gobain brand:
Saint-Gobain designs, manufactures, and distributes materials and solutions that are key ingredients for the well-being of each of us and the future of all. They are found everywhere we live and in our daily lives: in buildings, transportation, infrastructure, and many industrial applications, providing comfort, performance, and safety.

Management system-related certification:

- Quality Management System: ISO 9001:2015 Certificate No.: ES12/11567
- Environmental Management System: ISO 14001:2015 Certificate No.: ES12/11566

LCA practitioner:

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Sandra Perez-Jimenez (sandra.Perez-Jimenez@saint-gobain.com Saint-Gobain Central LCA Team)

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

Product information

Product name: Webercolor range

Visual representation of the product:

UN CPC CODE: 37510 Non-refractory mortars and concretes

Manufacturing site:
ALCOVER: Ctra. C-14, km. 23 - C/ Tramuntana, s/n - Pol. Roques Roges nº III, 43460 Alcover (Tarragona)

Product description

Products included in this EPD: webercolor PORCELÁNICA, webercolor PREMIUM FINA and webercolor PREMIUM OCEAN are factory-made, cement-based grouts for ceramic (and, where stated, stone) coverings, supplied as dry powders for on-site mixing. They are intended for grouting joints in wall and floor tiling under interior and exterior service conditions.

- Webercolor PORCELÁNICA: Classified CG2 WA; for 1–8 mm joints on walls and floors; interior and exterior. It provides a very smooth finish with easy application and cleaning. Typical application conditions include a stated temperature range and guidance to avoid excess wash water to prevent colour shading and surface efflorescence.
- Webercolor PREMIUM FINA: Classified CG2 WA; flexible, ultra-fine grout with silicone for 1–10 mm joints; suitable for all tile formats and absorptions; interior/exterior; compatible with underfloor heating. It offers creamy workability and a colour-stable finish and incorporates PROTECT3 technology (protection against the growth of bacteria, mould and algae). Application temperature is +5 °C to +35 °C.
- Webercolor PREMIUM OCEAN: Classified CG2 WA; flexible, high-resistance grout for 1–15 mm joints; interior/exterior. It combines high hardness, easy cleaning and colour stability with resistance to carbonation/efflorescence, integrates PROTECT3 + PURE-CLEAN (microbial protection and high stain resistance), and carries external certification for saline-chlorination swimming pools. Typical commissioning guidance is 24 h to service and 7 days before pool filling.

For more information: https://www.es.weber/

All figures in this EPD refers to Webercolor PREMIUM FINA (representative product). The representative product was selected as the product with the median GWP-GHG among the included products, based on the total of declared modules excluding module D, as it reflects the central value of the range and avoids selecting extreme cases.

Description	Value	Unit
Webercolor PREMIUM FINA	**1**	**Kg / DU**
Lifespan	**50**	**Years**

Technical data/physical characteristics:

Parameter	Value / Description	
Installation information (kg/m²)	See the consumption table	
Compressive strength 28 days	≥ 15 MPa	
Flexural strength	≥ 2,5 MPa	
Water absorption	≤ 2 g (30')	≤ 5 g (240')
Processing time (min)	20 min	
Fully loadable (d)	1 day for general service	Immersion after 7 days

TILE SIZE (mm) *(AxBxC)	Floors and Wall Coverings (consumption kg/m²)						
	Joint width						
	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
20 × 20 × 3	0,80	–	–	–	–	–	–
50 × 50 × 5	0,60	–	–	–	–	–	–
100 × 100 × 8	0,40	0,70	0,90	1,10	1,30	–	–
200 × 200 × 8	0,20	0,30	0,40	0,60	0,70	1,00	1,30
330 × 330 × 10	0,20	0,30	0,30	0,40	0,50	0,80	1,00
450 × 450 × 10	0,10	0,20	0,20	0,30	0,40	0,60	0,70
600 × 300 × 10	0,10	0,20	0,20	0,30	0,40	0,60	0,70
600 × 400 × 10	0,10	0,20	0,20	0,30	0,40	0,60	0,70
1000 × 200 × 10	0,20	0,30	0,30	0,40	0,50	0,80	1,00

*A: Tile width, B: Tile length, C: Grout joint depth

Content declaration

Description of the main components and/or materials:

Product components	Weight (kg)	Post-consumer recycled material weight (%)	Biogenic material, weight- %	Biogenic material, kg C/DU
Binder	15 -35 %	0 %	0,00 %	0
Minerals	50 - 70 %	0 %	0,00 %	0
Additives	1 - 5 %	0 %	0,04 %	4,11E-4
Sum	**100%**	**0 %**	**0,04 %**	**4,11E-4**
Packaging materials	**Weight (kg)**	**Weight versus the product (%)**	**Recycled weight in packaging (%)**	**Biogenic material, kg C/DU**
Cardboard	0,042	4,2 %	100 %	0,018
Polyethylene parts (LDPE)	0,120	12,0 %	0 %	0,000
Polyethylene film (LDPE)	0,002	0,2 %	30 %	0,000
Wooden pallet	0,046	4,6 %	0 %	0,019
Sum	**0,210**	**21,0 %**	**4,26 %**	**0,037**

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 + B1–B7).
DECLARED UNIT	1 kg of dry powder Webercolor PREMIUM FINA
SYSTEM BOUNDARIES	Cradle to gate with options, module C1-C4, module D and optional modules (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.
DATA QUALITY ASSESSMENT	Data quality of primary and secondary data had 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: Spain and Portugal Data is collected from 1 production site Alcover located in Spain Data collected for the year 2024
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

Data Collection	01/01/2024 to 31/12/2024
Sites used	**Alcover**
Geography	Produced in Spain Sold in Spain and Portugal Use and disposal: Spain and Portugal
Technology	Mortars are produced by mixing cement, others minerals and some additives.
Averaging	Production weighted average covering 100 % of production by the company
LCI/LCA database	Sphera CUP2024.2 and ecoinvent v.3.10
EPD used	None
Data Quality Scheme	EN 15804:2012+A2:2019, Annex E, Table E.2
Use of Fair data with more than 30 % of a core impact	None
Use of Poor relevant data	None
Use of Very Poor relevant data	None

Process	Source type	Source	Reference year	Data category	A1-A3 GWP-GHG [kg CO2 eq.]
Manufacturing process					
Energy specific	Database	Sphera 2024.2	<5 years old	Primary data	0,041%
Transportation (only if specific data collected)					
A2_Transport_Specific	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Primary data	2,47%
Background datasets in A1-A3					
Other processes	Database	Sphera 2024.2 /ecoinvent 3.10	<5 years old	Secondary data	97%
				Total share of primary data	**3%**

A1-A3 GWP-GHG	8,60E-01

The share of primary data is calculated based on 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.

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	X	X	X	X	X	X	X	X	X	X	X	X
Geography	ES			ES-PT		ES-PT							ES-PT				ES-PT
Share of primary data	3%			-		-							-				-
Variation – products	-29/+19%			-		-							-				-
Variation – sites	0%			-		-							-				-

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.

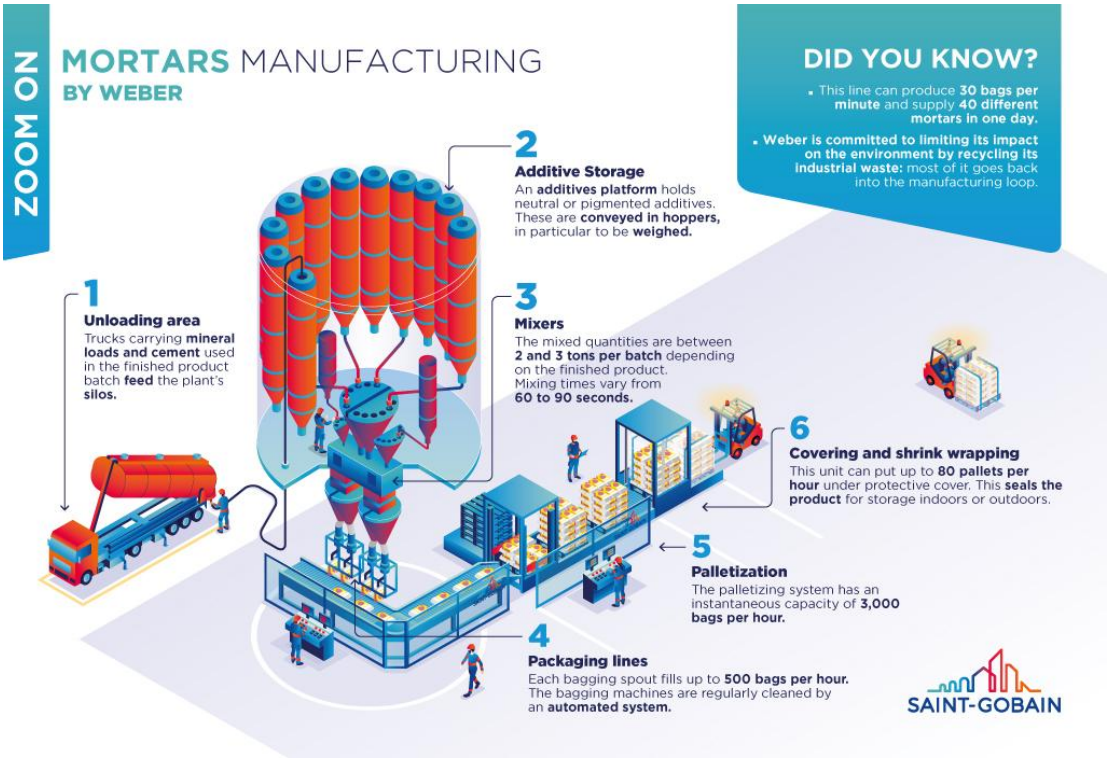
A2. Transport to the manufacturer

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 and transport 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 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.

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 24 t payload, diesel consumption 38 liters for 100 km
Distance	500 km
Capacity utilisation (including empty returns)	100% of the capacity in mass 30% of empty returns
Bulk density of transported products*	1200 kg / m³
Volume capacity utilisation factor	1 (by default)

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; as well as the energy used by 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	0,3 l / kg of product
Other resource use	None
Quantitative description of energy type (regional mix) and consumption during the installation process	0,0054 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 (70% recycling, 30% landfill) Packaging waste: Cardboard 0,042 kg (70% to recycling, 30% landfill) Polyethylene parts (LDPE) 0,120 kg (70% to recycling, 30% landfill) Polyethylene film (LDPE) 0,002 kg (70% to recycling, 30% landfill) Wooden pallet 0,046 kg (67% to reuse, 33% 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

The product has a reference service life of 50 years. This assumes that the product will last in situ with no requirements for maintenance, repair, replacement, or refurbishment throughout this period. Therefore, it has no impact at this stage.

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. The energy considered for demolition is 0,018 MJ/m².
- **C2: Transport to waste processing,** 80 km to landfill and recycling.
- **C3: Waste processing for reuse, recovery and/or recycling,** including physical pre-treatment and site management. The 70% of the waste goes to recycling.
- **C4: Waste disposal,** landfilling of the remaining 30% of the waste.

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

PARAMETER	VALUE/DESCRIPTION
Collection process specified by type	1 kg is collected with mixed deconstruction and demolition waste
Recovery system specified by type	Mixed deconstruction and demolition waste: 0,7 kg to recycling
Disposal specified by type	Mixed deconstruction and demolition waste: 0,3 kg is sent to landfill
Assumptions for scenario development (e.g. transportation)	Average truck trailer with 24t payload, diesel consumption 38L/100km; 80km distance to recycling, 80km distance to landfill

D. Reuse/recovery/recycling potential

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

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

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 [m³ 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 of dry powder.
The following results corresponds to a single product manufactured in a single plant.
The reference product is Webercolor PREMIUM FINA.

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.]	7,18E-01	4,41E-02	2,27E-01	0	0	0	0	0	0	0	1,81E-03	6,85E-03	2,14E-03	6,43E-03	-1,63E-01
Climate Change (fossil) [kg CO2 eq.]	8,53E-01	4,33E-02	9,12E-02	0	0	0	0	0	0	0	1,81E-03	6,74E-03	2,11E-03	4,90E-03	-1,63E-01
Climate Change (biogenic) [kg CO2 eq.]	-1,37E-01	0	1,35E-01	0	0	0	0	0	0	0	0	0	0	1,51E-03	0
Climate Change (land use change) [kg CO2 eq.]	1,55E-03	7,17E-04	1,65E-04	0	0	0	0	0	0	0	6,60E-08	1,12E-04	2,85E-05	2,94E-05	-1,35E-04
Ozone depletion [kg CFC-11 eq.]	3,53E-06	4,30E-15	1,77E-07	0	0	0	0	0	0	0	1,54E-16	7,62E-16	3,81E-15	1,32E-14	-8,86E-09
Acidification terrestrial and freshwater [Mole of H+ eq.]	2,89E-03	4,79E-05	2,67E-04	0	0	0	0	0	0	0	4,15E-06	7,98E-06	1,06E-05	3,48E-05	-5,07E-04
Eutrophication freshwater [kg P eq.]	2,59E-05	1,82E-07	1,95E-06	0	0	0	0	0	0	0	3,45E-10	2,84E-08	8,21E-09	1,11E-08	-3,96E-06
Eutrophication marine [kg N eq.]	6,15E-04	1,58E-05	8,36E-05	0	0	0	0	0	0	0	1,67E-06	2,73E-06	4,86E-06	8,95E-06	-9,51E-05
Eutrophication terrestrial [Mole of N eq.]	6,26E-03	1,93E-04	7,21E-04	0	0	0	0	0	0	0	1,83E-05	3,30E-05	5,38E-05	9,86E-05	-9,59E-04
Photochemical ozone formation - human health [kg NMVOC eq.]	3,33E-03	4,47E-05	3,31E-04	0	0	0	0	0	0	0	4,92E-06	7,61E-06	1,35E-05	2,74E-05	-1,18E-03
Resource use, mineral and metals [kg Sb eq.][1]	4,00E-06	3,63E-09	3,58E-07	0	0	0	0	0	0	0	4,36E-11	5,69E-10	2,21E-09	3,17E-10	-1,50E-06
Resource use, energy carriers [MJ][1]	1,79E+01	5,57E-01	1,38E+00	0	0	0	0	0	0	0	2,34E-02	8,69E-02	3,95E-02	6,46E-02	-6,14E+00
Water deprivation potential [m³ world equiv.][1]	3,23E-01	6,36E-04	3,89E-02	0	0	0	0	0	0	0	4,92E-06	1,00E-04	4,04E-04	5,61E-04	-7,78E-02

[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]	1,46E+00	4,71E-02	1,06E-01	0	0	0	0	0	0	0	1,17E-04	7,39E-03	4,21E-03	1,13E-02	1,55E-01
Primary energy resources used as raw materials (PERM) [MJ] [2]	1,31E+00	0	-8,42E-01	0	0	0	0	0	0	0	0	0	-4,85E-03	0	0
Total use of renewable primary energy resources (PERT) [MJ] [2]	2,77E+00	4,71E-02	-7,36E-01	0	0	0	0	0	0	0	1,17E-04	7,39E-03	-6,40E-04	1,13E-02	1,55E-01
Use of non-renewable primary energy (PENRE) [MJ] [2]	1,20E+01	5,57E-01	1,09E+00	0	0	0	0	0	0	0	2,34E-02	8,69E-02	3,95E-02	6,46E-02	-6,14E+00
Non-renewable primary energy resources used as raw materials (PENRM) [MJ] [2]	5,94E+00	0	-3,61E+00	0	0	0	0	0	0	0	0	0	-3,38E-01	0	0
Total use of non-renewable primary energy resources (PENRT) [MJ] [2]	1,80E+01	5,57E-01	-2,53E+00	0	0	0	0	0	0	0	2,34E-02	8,69E-02	-2,98E-01	6,46E-02	-6,14E+00
Use of secondary material (SM) [kg]	4,24E-02	0	2,12E-03	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) [m3]	7,68E-03	5,29E-05	9,19E-04	0	0	0	0	0	0	0	1,76E-07	8,28E-06	1,18E-05	1,71E-05	-1,81E-03

[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]	4,22E-02	1,80E-11	4,04E-03	0	0	0	0	0	0	0	7,24E-13	2,97E-12	5,71E-12	1,61E-11	-3,12E-03
Non-hazardous waste disposed (NHWD) [kg]	3,72E-01	8,67E-05	1,47E-01	0	0	0	0	0	0	0	4,93E-06	1,37E-05	1,09E-05	3,28E-01	-6,94E-02
Radioactive waste disposed (RWD) [kg]	7,64E-05	7,20E-07	5,83E-06	0	0	0	0	0	0	0	2,65E-08	1,26E-07	4,97E-07	6,78E-07	-5,38E-06
Components for re-use (CRU) [kg]	0	0	3,09E-02	0	0	0	0	0	0	0	0	0	0	0	0
Materials for Recycling (MFR) [kg]	7,01E-03	0	1,50E-01	0	0	0	0	0	0	0	0	0	7,00E-01	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 [kg CO2 eq.][4]	8,60E-01	4,39E-02	1,11E-01	0	0	0	0	0	0	0	1,80E-03	6,82E-03	2,12E-03	4,92E-03	-1,57E-01

[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

Biogenic Carbon Content in kg C	PRODUCT STAGE A1 / A2 / A3
Biogenic carbon content in product [kg]	4,11E-04
Biogenic carbon content in packaging [kg]	3,69E-02

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

Environmental Impacts

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.][(a)]	1,81E-03	6,84E-03	0	1,79E-02	-1,61E-01	1,81E-03	6,84E-03	4,56E-03	0	-1,64E-01
	Climate Change (fossil) [kg CO_2 eq.]	1,81E-03	6,73E-03	0	1,63E-02	-1,61E-01	1,81E-03	6,73E-03	3,02E-03	0	-1,63E-01
	Climate Change (biogenic) [kg CO_2 eq.]	0	0	0	1,51E-03	0	0	0	1,51E-03	0	0
	Climate Change (land use change) [kg CO_2 eq.]	6,60E-08	1,11E-04	0	9,80E-05	-1,23E-04	6,60E-08	1,11E-04	4,08E-05	0	-1,41E-04
	Ozone depletion [kg CFC-11 eq.]	1,54E-16	6,68E-16	0	4,41E-14	-8,86E-09	1,54E-16	6,68E-16	5,45E-15	0	-8,86E-09
	Acidification terrestrial and freshwater [Mole of H+ eq.]	4,15E-06	7,56E-06	0	1,16E-04	-4,99E-04	4,15E-06	7,56E-06	1,51E-05	0	-5,10E-04
	Eutrophication freshwater [kg P eq.]	3,45E-10	2,83E-08	0	3,71E-08	-3,95E-06	3,45E-10	2,83E-08	1,17E-08	0	-3,96E-06
	Eutrophication marine [kg N eq.]	1,67E-06	2,51E-06	0	2,98E-05	-9,23E-05	1,67E-06	2,51E-06	6,95E-06	0	-9,63E-05
	Eutrophication terrestrial [Mole of N eq.]	1,83E-05	3,06E-05	0	3,29E-04	-9,28E-04	1,83E-05	3,06E-05	7,68E-05	0	-9,72E-04
	Photochemical ozone formation - human health [kg NMVOC eq.]	4,92E-06	7,07E-06	0	9,13E-05	-1,17E-03	4,92E-06	7,07E-06	1,92E-05	0	-1,18E-03
	Resource use, mineral and metals [kg Sb eq.][5]	4,36E-11	5,64E-10	0	1,06E-09	-1,50E-06	4,36E-11	5,64E-10	3,16E-09	0	-1,50E-06
	Resource use, energy carriers [MJ][1]	2,34E-02	8,65E-02	0	2,15E-01	-6,12E+00	2,34E-02	8,65E-02	5,64E-02	0	-6,15E+00
	Water deprivation potential [m³ world equiv.][1]	4,92E-06	9,87E-05	0	1,87E-03	-7,76E-02	4,92E-06	9,87E-05	5,77E-04	0	-7,79E-02

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

Resources Use

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]	1,17E-04	7,32E-03	0	3,76E-02	1,63E-01	1,17E-04	7,32E-03	6,02E-03	0	1,51E-01
	Primary energy resources used as raw materials (PERM) [MJ] *	0	0	0	0	0	0	0	-6,93E-03	0	0
	Total use of renewable primary energy resources (PERT) [MJ]	1,17E-04	7,32E-03	0	3,76E-02	1,63E-01	1,17E-04	7,32E-03	-9,15E-04	0	1,51E-01
	Use of non-renewable primary energy (PENRE) [MJ]	2,34E-02	8,65E-02	0	2,15E-01	-6,12E+00	2,34E-02	8,65E-02	5,64E-02	0	-6,15E+00
	Non-renewable primary energy resources used as raw materials (PENRM) [MJ] *	0	0	0	0	0	0	0	-4,82E-01	0	0
	Total use of non-renewable primary energy resources (PENRT) [MJ]	2,34E-02	8,65E-02	0	2,15E-01	-6,12E+00	2,34E-02	8,65E-02	-4,26E-01	0	-6,15E+00
	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]	1,76E-07	8,22E-06	0	5,71E-05	-1,81E-03	1,76E-07	8,22E-06	1,68E-05	0	-1,82E-03

* For this study, both the product and its packaging are reported in the indicators "Use of renewable primary energy resources used as raw materials" ("PERM") and "Use of non-renewable primary energy resources used as raw materials" ("PENRM"). PERM and PENRM are reported as negative values when materials are recycled or recovered, but not when landfilled.

Waste Category & Output flows

Waste Category & Output Flows		100% recycling					100% landfill				
		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]	7,24E-13	2,80E-12	0	5,36E-11	-3,12E-03	7,24E-13	2,80E-12	8,16E-12	0	-3,12E-03
	Non-hazardous waste disposed (NHWD) [kg]	4,93E-06	1,35E-05	0	1,09E+00	-3,76E-02	4,93E-06	1,35E-05	1,55E-05	0	-8,30E-02
	Radioactive waste disposed (RWD) [kg]	2,65E-08	1,12E-07	0	2,26E-06	-3,87E-06	2,65E-08	1,12E-07	7,10E-07	0	-6,03E-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	1,00E+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

Declaration of variation

Variation between products

According to PCR 2.0.1, since this EPD is multi-product, the variation of impact between products shall be declared. The products listed as “maximum” and “minimum” are selected based on GWP-GHG; however, they do not represent the highest or lowest values across all impact categories.

- Minimum: Webercolor porcelanica
- Reference: Webercolor premium fina
- Maximum: Webercolor premium ocean

The following table provides this variation of impact between

- reference and minimum (if the minimum is not the reference product).
- reference and the maximum (if the maximum is not the reference product).
- minimum and the maximum.

These percentage variations are calculated according to the method described in GPI 5.0.1, which states:
*The variation, in percentage, between two values is calculated by dividing the absolute difference between the values by their average, and then multiplying the result by 100. For example, if the variation between the values 9 and 10 is calculated, the following calculation shall be made: 1/9,5*100 = 10,526…% ≈ 11% (with two decimals).*

DEVIATION	BETWEEN REFERENCE AND MINIMUM	BETWEEN REFERENCE AND MAXIMUM	BETWEEN MINIMUM AND MAXIMUM
GWP-GHG	28,65%	18,81%	46,83%
Climate Change	29,33%	19,29%	47,94%
Climate Change (fossil)	29,35%	19,30%	47,97%
Climate Change (land use change)	21,63%	18,22%	39,46%
Ozone depletion	66,61%	0,00%	66,61%
Acidification terrestrial and freshwater	39,70%	16,22%	55,04%
Eutrophication freshwater	32,06%	5,67%	37,55%
Eutrophication marine	32,06%	14,01%	45,56%
Eutrophication terrestrial	29,86%	15,66%	44,99%
Photochemical ozone formation - human health	34,84%	9,23%	43,72%
Resource use, mineral and metals	13,04%	2,26%	15,29%
Resource use, energy carriers	46,29%	10,00%	55,65%
Water deprivation potential	49,87%	7,77%	57,09%

Additional environmental information:

Electricity information

The factory located in Alcover use the following electricity description.

Parameter	Information
Location	Representative of Electricity residual market in Spain 2024
Geographical & technical representativeness	Share of energy sources Hard coal: 8,17% HFO: 2,87% Natural gas: 48,03% Nuclear: 37,51% Photovoltaics: 1,89% Wind: 1,51% **2% transmission losses**
Type of dataset/ dataset versions	Sphera CUP2024.2 ecoinvent 3.10 (medium voltage)
Source of electricity mix	AIB report 2024
GWP-GHG CO_2 eq.	0,433 kg of CO_2 eq./kWh

The Alcover factory based in Spain uses electricity with Guarantee of Origin certificate (GO). 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 covers 98% of the electricity consumption on the manufacturing site.

Parameter	VALUE / DESCRIPTION
Location	Representative of the Guarantee of Origin purchased by Saint-Gobain for Alcover
Share of electricity covered by Guarantee of Origin	98% of the energy consumption is covered by the GO
Energy sources for electricity	Share of energy sources Solar thermal 53,3% Wind 46,7% **2% transmission losses**
Dataset version	Sphera CUP2024.2 ecoinvent 3.10
Source	Guarantee of Origin certificate: CNMC
GWP-GHG CO_2 eq.	1,244E-2 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.

Other additional environmental information

No additional information displayed

Additional social and economic information

No additional information displayed

Version history

Original version of the EPD, 2026-05-29

Abbreviations

DU	Declared Unit
EPD	Environmental Product Declaration
eq.	Equivalents
FU	Functional Unit
g	Gram
GJ	Giga Joules (as Net Calorific Value)
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
GWP	Global Warming Potential
GO	Guarantees of Origin
EN	European Norm
ISO	International Organization for Standardization
EoL	End of Life
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
CPR	Construction Products Regulation
GHG	Greenhouse Gas
PERE	Renewable Primary Energy
PERM	Non-renewable Primary Energy
SM	Secondary Material
RSF	Renewable Secondary Fuels
NRSF	Non-renewable Secondary Fuels
FW	Freshwater Use
HWD	Hazardous Waste Disposed
NHWD	Non-Hazardous Waste Disposed
RWD	Radioactive Waste Disposed
CRU	Components for Reuse
MFR	Materials for Recycling
MER	Materials for Energy Recovery
SVHC	Substance of Very High Concern
LDPE	Low density polyethylene

References

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