ENVIRONMENTAL PRODUCT DECLARATION

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

weberpas silicone

epd square .

Programme operator: EPD Square, s.r.o.
Registration number: SQ 00-052

Date of publication: 10.11.2025
Validity: 5 years
Valid until: 09.11.2030
Specific EPD
Scope of the EPD: Europe

Saint-Gobain Construction Products, s.r.o.

GENERAL INFORMATION

Programme information

PROGRAMME:	EPD Square, s.r.o.
ADDRESS:	Lermontovova 3, 811 05 Bratislava, Slovakia
WEBSITE:	www.epdsquare.com
E-MAIL:	info@epdsquare.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): EPD Square PCR v1.0, 2024

PCR review was conducted by: The Technical Committee of the EPD Square. See www.epdsquare.com for a list of members.
Chairs of the PCR review: Marcela Ondova.

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: Daniel Satola, Daniel Satola Consulting, danielsatolaconsulting@gmail.com
Approved by: EPD Square, s.r.o.

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 15804:2012+A2:2019/AC:2021 and ISO 14025:2006.

Information about EPD Owner

Address and contact information about the EPD owner: Saint-Gobain Construction Products, s.r.o., Stará Vajnorská 139, 831 04 Bratislava, Slovakia, poradenstvo@saint-gobain.com

Contact person: Vladimír Balent, vladimir.balent@saint-gobain.com

Description of the organization of the EPD owner: An international company operating in 52 countries, member of the Saint-Gobain Group with more than 190,000 employees. The Weber business activities include the manufacture and sale of facade materials and interior surface treatment materials, as well as the provision of technical support and services related to product sales.

Management system-related certification: ISO 14001

LCA practitioner: Ing. Ľudmila Vaculová Mečiarová, PhD., meciarova@epdclarity.com, EPD Clarity, s.r.o.

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

Product information

Product name: weberpas silicone

Visual representation of the product:

UN CPC CODE: 37510 - Non-refractory mortars and concretes

Manufacturing site: Stará Vajnorská 139, 831 04 Bratislava, Slovakia

Product description

Easy-to-apply, washable paste plaster made from silicone resin. Ready for direct application on Weber 700 primer.

Plaster is used to protect buildings from weather conditions. It is suitable for both color and structural design of new facades, as well as for the reconstruction, modernization, and renovation of existing base plaster. It is also intended as a final surface finish for external thermal insulation composite systems (ETICS). Plaster can be applied both indoors and outdoors.

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

Technical data/physical characteristics:

Parameter	Value / Description	
Water vapour diffusion stream density (EN 1062-1)	V2	EN 15824
Water permeability (EN 15824)	W2	EN 15824
Reaction to fire with mineral wool thermal insulation	A2-s1, d0	EAD 040083-00-0404
Reaction to fire with EPS thermal insulation	B-s1, d0	EAD 040083-00-0404
Water vapor permeability	μ = 98 sd = 0,148 m by 1,5 mm thickness	EN ISO 7783
Adhesion to concrete after 28 days	min. 0,3 MPa	EN 15824
Thermal conductivity	λ10,dry (P=50%)] = 0,96 W/mK	STN EN 1745

Content declaration

Presented values are per functional unit being 1 kg of the final product. Description of the main components and/or materials:

Product components	Weight (%)	Post-consumer recycled material weight (%)	Biogenic material, weight- %	Biogenic material, kg C/kg of DU
Limestone	76,0%	0%	0%	0 kg C
Additives	17,1%	0%	0%	0 kg of C
Water	6,9%	0%	0%	0 kg of C
Sum	**100%**	**0%**	**0%**	**0**
Packaging materials	**Weight (kg)**	**Weight versus the product (%)**	**Weight biogenic carbon, kg C/kg product**	**Biogenic material, kg C/kg of DU**
LDPE foil	0,0004	0,039%	0,000	0,000
Plastic container	0,0397	3,972%	0,000	0,000
Wooden pallet	0,0045	0,452%	0,002	0,002
Sum	0,0446	4,464%	0,002	0,002

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).

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

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 weberpas silicone
SYSTEM BOUNDARIES	A1-A5, C1-C4 and D
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	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 Stará Vajnorská 139 located in Slovakia. Data collected for the year 2023
BACKGROUND DATA SOURCE	Databases from OneClick LCA 2023 (including material-specific EPD) and ecoinvent v.3.10.1, ecoinvent v3.11, IDEMAT, EUROSTAT EF Package 3.1
SOFTWARE	OneCllick LCA

Data quality declaration

The data was collected from internal records and reporting documents from Saint-Gobain Construction Products, s.r.o. The data quality information has been provided according to the requirements of EN 15941. The data assessment was done using the Product Environmental Footprint Category Rules. The data has been collected internally, considering the latest available average production amounts and measurements during the time period of 2023. After evaluating the inventory, according to the defined ranking in the LCA report, the assessment reflects 100% inventory data quality. The quality level in this study is qualified as Good. Data quality rating procedure has been performed using a rating system where “1” means Very good quality, and “5” means Very poor quality. No fair, poor or very poor data was found during the assessment of relevant data.

Geographical rating	Technology rating	Time-related rating	Average rating
1,9	1,9	1,0	1,6

Description of system boundaries

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	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X
Geography	EU	EU	SK	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU	EU
Specific data used	8,3%																
Variation products	Not relevant																
Variation sites	Not relevant																

Life cycle stages

A1-A3. Product stage

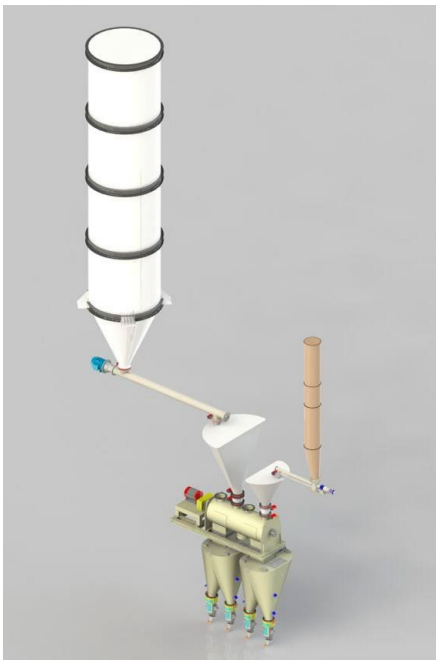
The product stage of plaster products is subdivided into 3 modules A1, A2 and A3 respectively “raw material supply”, “transport to manufacturer” and “manufacturing”.

A1. Raw materials supply
This module includes the extraction and transformation of raw materials. Within the product stage accurate data has been used. In the case of absence in the database, it was modelled as close to reality as possible using proxy, representative datapoint.

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

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. In the plant, lots of products are produced. Therefore, electricity, heating, and LPG are allocated on yearly consumption. The allocation is based on the annual consumption as well as the total amount (tonnage) of produced products.

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, plastic containers, 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	125 km
Capacity utilisation (including empty returns)	100% (0% empty returns)
Bulk density of transported products*	1810 kg / m³
Volume capacity utilisation factor	1 (by default)

A5. Installation in the building

This module includes: the installation of the product, the transport and management of packaging and product waste. Product is applied manually on the construction site, therefore energy consumption is negligible. The parameters are presented in the following table. Losses during installation are less than 1%.

PARAMETER	VALUE / DESCRIPTION
Ancillary materials for installation (specified by materials)	None

Other resource use	None
Quantitative description of energy type (regional mix) and consumption during the installation process	None
Output materials (specified by type) as results of waste processing at the building site e.g. of collection for recycling, for energy recovering, disposal	Packaging waste: Plastic packaging: 0,0401 kg/ kg of product (40% recycle, 37% recovery, 23% landfill) Wooden pallet: 0,0045 kg/ kg of product (32% recycle, 30% recovery, 38% 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. In this case, the environmental impact is expected to be very small and can be neglected.
- **C2: Transport to waste processing**
- **C3: Waste processing for reuse, recovery and/or recycling**
- **C4: Waste disposal,** including physical pre-treatment and site management.
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Description of the scenarios and additional technical information for the end of life:

PARAMETER	VALUE/DESCRIPTION
Collection process specified by type	100% of plaster collected with mixed construction waste.
Recovery system specified by type	0% of waste. There is no recovery, recycling or reuse of the product once it was reached its end of life phase
Disposal specified by type	100 % to municipal landfill
Assumptions for scenario development (e.g. transportation)	Average truck trailer with 27t payload, diesel consumption 38L/100km ; 50 km 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:

- Outputs of secondary materials: packaging sent to recycling,
- Exported energy (electric or thermal): 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.]
- Land use [Pt]
- Human toxicity (cancer) [CTUh]
- Human toxicity(noncancer) [CTUh]
- Ecotoxicity (freshwater [CTUe]

Disclaimer 2: The impact category Ionizing radiation, human health [kBq U235 eq.] deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction material is also not measured by this indicator.

Disclaimer 3: The assumptions for the modules are in accordance with the project report (LCA study).

Results refer to a declared unit of 1kg of weberpas silicone.
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 CO_2 eq.]	6,77E-01	2,58E-02	5,90E-02	X	X	X	X	X	X	X	0,00E+00	9,49E-03	0,00E+00	1,50E-02	-6,02E-02
Climate Change (fossil) [kg CO_2 eq.]	6,83E-01	2,57E-02	5,22E-02	X	X	X	X	X	X	X	0,00E+00	9,49E-03	0,00E+00	1,50E-02	-6,01E-02
Climate Change (biogenic) [kg CO_2 eq.]	-6,84E-03	0,00E+00	6,84E-03	X	X	X	X	X	X	X	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Climate Change (land use change) [kg CO_2 eq.]	5,00E-04	9,24E-06	4,08E-06	X	X	X	X	X	X	X	0,00E+00	3,41E-06	0,00E+00	8,00E-06	-5,29E-05
Ozone depletion [kg CFC-11 eq.]	8,56E-08	5,12E-10	4,89E-11	X	X	X	X	X	X	X	0,00E+00	1,89E-10	0,00E+00	2,95E-10	-1,98E-09
Acidification terrestrial and freshwater [Mole of H+ eq.]	7,41E-03	5,36E-05	2,05E-05	X	X	X	X	X	X	X	0,00E+00	1,97E-05	0,00E+00	8,02E-05	-2,60E-04
Eutrophication freshwater [kg P eq.]	1,92E-04	1,73E-06	7,75E-07	X	X	X	X	X	X	X	0,00E+00	6,39E-07	0,00E+00	1,21E-06	-2,05E-05
Eutrophication marine [kg N eq.]	6,33E-04	1,29E-05	1,75E-05	X	X	X	X	X	X	X	0,00E+00	4,74E-06	0,00E+00	3,10E-05	-4,29E-05
Eutrophication terrestrial [Mole of N eq.]	6,04E-03	1,39E-04	8,56E-05	X	X	X	X	X	X	X	0,00E+00	5,12E-05	0,00E+00	3,30E-04	-4,42E-04
Photochemical ozone formation - human health [kg NMVOC eq.]	3,00E-03	8,91E-05	2,60E-05	X	X	X	X	X	X	X	0,00E+00	3,29E-05	0,00E+00	1,14E-04	-2,75E-04
Resource use, mineral and metals [kg Sb eq.][1]	6,60E-06	8,57E-08	1,63E-08	X	X	X	X	X	X	X	0,00E+00	3,16E-08	0,00E+00	2,67E-08	-3,28E-07
Resource use, energy carriers [MJ][1]	1,13E+01	3,62E-01	4,19E-02	X	X	X	X	X	X	X	0,00E+00	1,34E-01	0,00E+00	2,53E-01	-1,55E+00
Water deprivation potential [m^3 world equiv.][1]	7,84E-01	1,80E-03	2,09E-03	X	X	X	X	X	X	X	0,00E+00	6,64E-04	0,00E+00	1,52E-03	-1,65E-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

Additional (optional) environmental impact indicators – EN 15804+A2

	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
Particulate matter emissions [Disease incidence]	4,42E-08	1,90E-09	2,91E-10	X	X	X	X	X	X	X	0,00E+00	6,99E-10	0,00E+00	1,82E-09	-2,07E-09
Ionising radiation, human health [kBq U235 eq.]	8,90E-02	4,67E-04	1,39E-04	X	X	X	X	X	X	X	0,00E+00	1,72E-04	0,00E+00	2,49E-04	-9,39E-03
Ecotoxicity (freshwater) [CTUe]	6,92E+00	4,82E-02	2,89E-02	X	X	X	X	X	X	X	0,00E+00	1,78E-02	0,00E+00	1,78E+00	-1,26E-01
Human toxicity, cancer effects [CTUh]	3,57E-10	4,32E-12	3,47E-12	X	X	X	X	X	X	X	0,00E+00	1,59E-12	0,00E+00	5,02E-12	-1,18E-11
Human toxicity, non-cancer effects [CTUh]	3,95E-08	2,29E-10	1,43E-10	X	X	X	X	X	X	X	0,00E+00	8,45E-11	0,00E+00	4,81E-10	-4,77E-10
Land use related impacts / soil quality [Dimensionless]	4,05E+00	2,19E-01	4,52E-02	X	X	X	X	X	X	X	0,00E+00	8,07E-02	0,00E+00	5,82E-01	-2,26E-01

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]	9,18E-01	6,34E-03	-6,63E-01	X	X	X	X	X	X	X	0,00E+00	2,34E-03	0,00E+00	3,96E-03	3,68E-02
Primary energy resources used as raw materials (PERM) [MJ]	1,10E-01	0,00E+00	-6,81E-02	X	X	X	X	X	X	X	0,00E+00	0,00E+00	0,00E+00	-4,14E-02	0,00E+00
Total use of renewable primary energy resources (PERT) [MJ]	1,03E+00	6,34E-03	-7,31E-01	X	X	X	X	X	X	X	0,00E+00	2,34E-03	0,00E+00	-3,74E-02	3,68E-02
Use of non-renewable primary energy (PENRE) [MJ]	8,65E+00	3,62E-01	-1,59E+00	X	X	X	X	X	X	X	0,00E+00	1,34E-01	0,00E+00	-9,56E-01	-1,55E+00
Non-renewable primary energy resources used as raw materials (PENRM) [MJ]	2,49E+00	0,00E+00	-2,15E-02	X	X	X	X	X	X	X	0,00E+00	0,00E+00	0,00E+00	-2,47E+00	0,00E+00
Total use of non-renewable primary energy resources (PENRT) [MJ]	1,11E+01	3,62E-01	-1,61E+00	X	X	X	X	X	X	X	0,00E+00	1,34E-01	0,00E+00	-3,42E+00	-1,55E+00
Use of secondary material (SM) [kg]	1,56E-02	1,68E-04	7,81E-05	X	X	X	X	X	X	X	0,00E+00	6,20E-05	0,00E+00	9,29E-05	1,67E-02
Use of renewable secondary fuels (RSF) [MJ]	2,42E-03	2,13E-06	6,56E-07	X	X	X	X	X	X	X	0,00E+00	7,84E-07	0,00E+00	1,71E-06	-1,54E-06
Use of non-renewable secondary fuels (NRSF) [MJ]	0,00E+00	0,00E+00	0,00E+00	X	X	X	X	X	X	X	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW) [m^3]	1,54E-02	4,94E-05	-7,58E-05	X	X	X	X	X	X	X	0,00E+00	1,82E-05	0,00E+00	-3,70E-03	-5,30E-04

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]	7,68E-02	5,27E-04	7,01E-04	X	X	X	X	X	X	X	0,00E+00	1,94E-04	0,00E+00	5,64E-04	-3,03E-03
Non-hazardous waste disposed (NHWD) [kg]	3,98E+00	1,11E-02	1,67E-01	X	X	X	X	X	X	X	0,00E+00	4,10E-03	0,00E+00	4,99E+00	-4,05E-01
Radioactive waste disposed (RWD) [kg]	1,83E-05	1,16E-07	3,52E-08	X	X	X	X	X	X	X	0,00E+00	4,28E-08	0,00E+00	6,10E-08	-2,40E-06
Components for re-use (CRU) [kg]	0,00E+00	0,00E+00	0,00E+00	X	X	X	X	X	X	X	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for Recycling (MFR) [kg]	0,00E+00	0,00E+00	3,00E-02	X	X	X	X	X	X	X	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	2,90E-02	X	X	X	X	X	X	X	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	1,30E-01	X	X	X	X	X	X	X	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	1,82E-01	X	X	X	X	X	X	X	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 CO_2 eq.][2]	6,84E-01	2,58E-02	5,22E-02	X	X	X	X	X	X	X	0,00E+00	9,49E-03	0,00E+00	1,50E-02	-6,02E-02

[2] 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]	-
Biogenic carbon content in packaging [kg]	0,203

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO_2.

Additional environmental information:

The energy used during the manufacturing (A3) is based on the following:

Parameter	Information
Energy **data source and quality**	Electricity, Slovakia, residual mix
Source	LCA study for country specific residual electricity mixes based on AIB 2023 and calculated by One Click LCA, OneClickLCA 2023
GHG-GWP CO_2 eq.	0,45 kg of CO_2 eq./kWh
Energy **data source and quality**	Heat production, natural gas, at industrial furnace >100kW
Source	ecoinvent 3.10.1
GHG-GWP CO_2 eq.	0,0773 kg of CO_2 eq./MJ
Energy **data source and quality**	LPG for transport, including combustion
Source	IDEMAT
GHG-GWP CO_2 eq.	3,36 kg of CO_2 eq./kg

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

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