

Environmental Product Declaration

In accordance with ISO 14025:2006,
EN 15804:2012+A2:2019/AC:2021 and ISO 21930:2017



Gyproc® DriWall Adhesive

Version: 1

Version Date: 2026-04-24

Validity: 5 years

Validity Date: 2031-04-23

EPD Type: Single product from a manufacturer

Scope of the EPD: Cradle-to-grave and module D

Manufacturer Head Office Address: East Leake, Loughborough,
LE12 6HX, England

Programme: The International EPD System, www.environdec.com

Programme Operator: EPD International AB

Registration Number: EPD-IES-0027720:001



General information

Programme information

Programme:	The International EPD System [1]
Address:	EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden
Website:	www.environdec.com
E-mail:	support@environdec.com

PCR information

CEN standard EN 15804:2012+A2:2019/AC:2021 [2] and ISO standard ISO 21930:2017 [3] as the core Product Category Rules (PCR)

Product category rules (PCR): PCR 2019:14 Construction Products, version 2.0.1 [4]

Complementary PCR: (c-PCR-031), 2025-04-24. c-PCR Gypsum-based construction products [5]

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

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

Verification

External and independent ('third-party') verification of the declaration and data, according to ISO 14025:2010 [6], 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: Matthew Fishwick, Fishwick Environmental Ltd

Approved by: The International EPD System

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

Ownership and limitations 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, ISO 14020 [7] and ISO 14025.

Information about the EPD owner

Address and contact information of the EPD owner: British Gypsum, Head Office, East Leake, Loughborough, LE12 6HX, England

Description of the organization of the EPD owner: Manufacturing company of construction materials

Management system-related certification: ISO 14001 [8], ISO 50001 [9], ISO 9001 [10]

LCA practitioners: Dave Dowdell (dave.dowdell@saint-gobain.com), Charnett Chau (charnett.chau@saint-gobain.com) and Sila Danik Dirihan (sila.danik@saint-gobain.com)

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



Product information

Product name: Gyproc DriWall Adhesive [11]

UN CPC code: 37530 Articles of plaster or of composition based on plaster

Manufacturing site(s):

British Gypsum, East Leake, Loughborough, LE12 6HX, England

British Gypsum, Kirkby Thore, Penrith, CA10 1XU, England

Product description

Gyproc DriWall Adhesive is a gypsum-based bonding compound for "dot and dab" fixing of plasterboards to masonry backgrounds.

For more information: www.british-gypsum.com.

Technical data/physical characteristics

Parameter	Value/Description
EN classification	Not applicable
Reaction to fire	A1 (EN 14496:2005) [12]

Application	Value/Description
Intended use and key functionalities	Gyproc DriWall Adhesive can be used to direct bond plasterboards and thermal laminates to masonry walls with high, medium or low suction.
Expected influence on the operational aspects and impact of the building or other construction work	None
Restrictions to a type of construction or building	None
Lifespan	60 years (see LCA information)

Content declaration

Quantities below are for a functional unit, being 1 kg of dry Gyproc DriWall Adhesive powder, as applied.

Product components	Mass (kg)	Post-consumer recycled material ¹ (mass-% of functional unit)	Biogenic material ² (mass-% of functional unit)	Biogenic material ³ (kg C/functional unit)
Gypsum	> 0.99	0	0	0
Additives	< 0.01	0	0	0
Total	1.0	0	0⁴	0⁴
Packaging materials	Mass (kg)	Mass-% (versus the functional unit)	Biogenic material (kg C mass-% versus the functional unit)	Biogenic material (kg C/functional unit)
Cardboard	0.00092	0.092	0.040	0.00040
Composite bag	0.0033	0.33	0.13	0.0013
LDPE bag	0.000009	0.0009	0	0
LDPE film	0.00027	0.027	0	0
Wooden pallet	0.014	1.40	0.59	0.0059
Total	0.019	1.9	0.76	0.0076

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, either in the product or packaging, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals) [13].

¹ The worst-case of 0% post-consumer material is declared due to the amount of post-consumer content used by our suppliers being unknown. Within Sphera and ecoinvent datasets, recycled content was modelled.

² Biogenic carbon content in % is equivalent to the mass of carbon per overall mass of material (i.e. kg C/kg).

³ 1 kg of biogenic carbon in product or packaging is equivalent to the uptake of 44/12 kg CO₂.

⁴ Biogenic carbon content is well below 0.05 kg C (5%) so is not declared (< 0.001 kg C or < 0.1%).

LCA information

Functional unit	1 kg of dry Gyproc DriWall Adhesive powder, as applied [14]
Conversion factor to mass	N/A
System boundaries	Cradle-to-grave and module D
Reference service life (RSL)	The modelled RSL of Gyproc DriWall Adhesive is 60 years. British Gypsum provides a SpecSure® system warranty [15] for the service life of a building (60 years). SpecSure® is valid when British Gypsum systems are specified, installed and finished in line with British Gypsum recommendations. Where this is not the case, an RSL of 50 years [14] can be used.
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 5% of the whole mass and energy used, as well as emissions to the environment, per module. For this study, all data were available; therefore, the cut-off rules were not applied. Flows related to human activities such as employee transport are excluded. Heating and lighting at the manufacturing plant are included. Infrastructure/capital goods are excluded from primary data but are typically included in background data sources (listed below) and difficult to separate.
Allocations	Allocation has been avoided where possible, for example, through use of sub-metering in manufacture. Where this is not possible e.g. manufacturing plant waste data, a mass allocation is used between plaster and co-products. Any allocation from module A5 onwards uses a cut-off approach. The polluter pays and the modularity principles have been followed.
Data quality assessment	Data quality has been rated by its geographical, technical and temporal representativeness (see Data quality declaration). No data rated as Very Poor were used in the study. Overall, data quality is rated as Good.
Geographical coverage and time period	Scope: GB (production), GB (use and disposal) Data has been collected from three mine/quarry sites (Marblehead mine, Birkshead mine and Bantock quarry) and two production sites (East Leake and Kirkby Thore), located in England. Data collected for the year 2024.
Background data source	Sphera Managed LCA Content (MLC) v2025.1 [16] and ecoinvent v.3.10 (cut-off version) [17]
Software	Sphera LCA for Experts 10 [18]
LCA methodology	In addition to EN 15804:2019+A2, PCR 2019:14 v2.0.1, EN 17328:2024 and c-PCR-031 v1.0.0, the study was carried out in accordance with ISO 14040:2006 [19], ISO 14044:2006 [20], and GPI for The International EPD System v5.0.1 [21]. Note: EN 15804 reference package based on EF 3.1 has been used [22].

Data quality declaration

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.

Process	Source type	Source	Reference year	Data category	A1-A3 GWP-GHG (% contribution to primary data)
Manufacturing process					
Energy specific	Collected data, databases	EPD owner, Sphera 2025.1, ecoinvent 3.10	< 5 years old	Primary and secondary data	57.4%
Transport					
Transport of RM product	Collected data, databases	EPD owner, Sphera 2025.1, ecoinvent 3.10	< 5 years old	Primary and secondary data	0.13%
Transport of RM packaging	Collected data, databases	EPD owner, Sphera 2025.1, ecoinvent 3.10	< 5 years old	Primary and secondary data	0.02%
Raw materials from EPDs⁵					
Methyl cellulose	EPD	Redacted	< 5 years old	Primary and secondary data	1.2%
Gypsum (imported)	EPD	Redacted	< 5 years old	Primary and secondary data	0.7%
Other raw materials					
Raw materials	Databases	Sphera 2025.1, ecoinvent 3.10	< 5 years old	Secondary data	0%
Total A1-A3 GWP-GHG share of primary data					59%

A1-A3 GWP-GHG [kg CO₂ eq.]	1.11E-01
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Each secondary dataset used in the LCA was rated on a scale of 1 (very good) to 5 (very poor) for geographical, technical and time representativeness (using criteria in Table E1 of EN 15804:2019+A2). A simple average was then calculated for each data quality category, reported below. A rating of 2 can be considered as good quality data and 1 as very good quality data.

Geographical rating	Technical rating	Temporal rating
1.84	1.92	1.71

⁵ The reported share of primary data is associated with uncertainty, as EPDs used as data sources lack information on the share of primary data.

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	X	X	X	X	X	X	X	X	X	X	X	X
Geography	EU		GB	GB													

Life cycle stages



Note: where materials for recycling leave modules A to C, the end-of-waste state is reached after transport to the gate of the recycling operation and before the recycling operation.

A1-A3. Product stage

Modules A1-A3 sit within the Product stage of a building's life cycle, where raw and secondary materials are extracted and processed (A1) before being transported (A2) to manufacturing facilities for the fabrication of building products (A3). Here we detail modules A1-A3 for the product Gyproc DriWall Adhesive.

A1. Raw materials supply

This module includes the extraction and transformation of raw materials. Raw materials that are required to manufacture Gyproc DriWall Adhesive include gypsum rock extracted from Saint-Gobain's Marblægis mine, Birkshead mine and Bantycok quarry sites, and other materials procured from various countries around the world, predominantly in UK. These raw materials can be categorised as "virgin" materials.

A2. Transport to the manufacturer

This module includes the transportation of raw materials and packaging to the manufacturing site. The modelling includes transport by road, sea and rail, as appropriate.

A3. Manufacturing

This module includes the manufacture of products (energy consumption, water consumption, waste management, etc.). The manufacturing process is shown in the process flow diagram below. The processing of waste arising from the manufacturing process is also modelled.

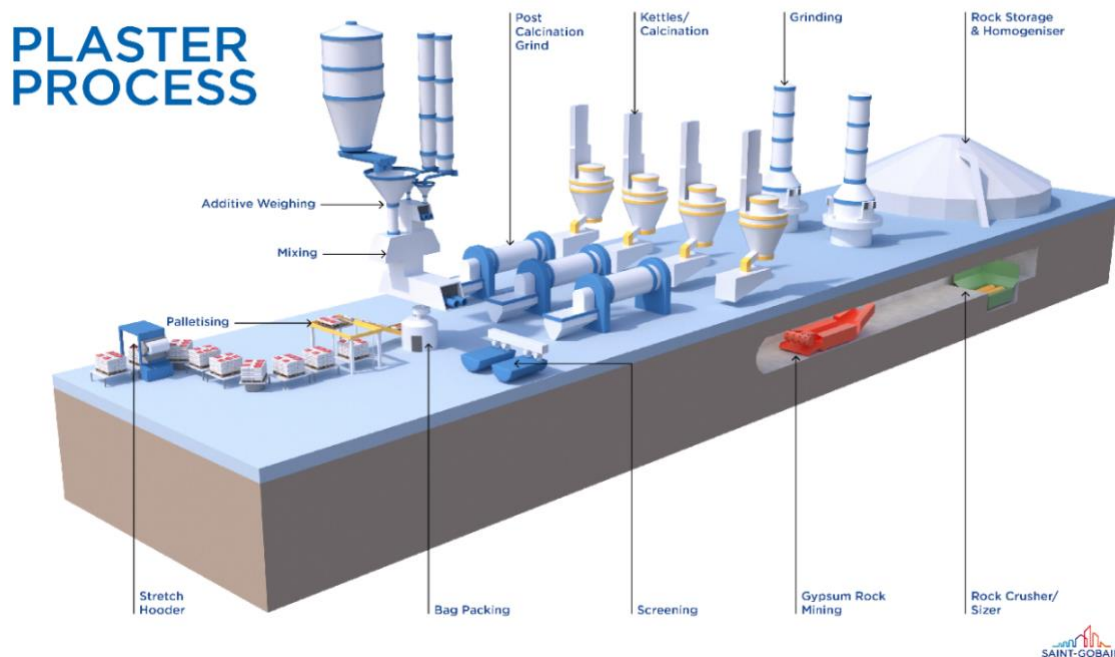
After manufacture, pallet loads of packaged Gyproc DriWall Adhesive product is transported to warehouses located at Saint-Gobain sites in England, where it is stored prior to distribution. Warehouse operations are additionally included in module A3.

A proportion of the product was transported to Saint-Gobain Okarno's site in Ruddington, England, where it was packaged in LDPE bags, prior to dispatch. Operations at Okarno's Ruddington site are included in module A3, including use of energy and production of product and packaging wastes.

Manufacturing process flow diagram

This is a generic Saint-Gobain diagram that illustrates how plaster products are typically produced. Specific aspects relevant to this product not represented in the process flow diagram are noted below:

1. Beyond the stretch hooder, the finished product is transported to Saint-Gobain company warehouses in England, from where it is dispatched.
2. 0.1% of the Gyproc DriWall Adhesive output was transported to Saint-Gobain Okarno to be packaged in LDPE bags, prior to distribution from Okarno.



Gypsum rock mining. Gypsum rock is mined and/or quarried.

Rock/crusher/sizer. The mined and/or quarried gypsum rock is crushed to a desirable size.

Rock storage and homogeniser. Gypsum rock is stored and homogenised to obtain a more consistent quality.

Grinding. The gypsum rock is ground to a size suitable for calcination.

Kettles/calcination. The gypsum rock is heated to remove some chemically bound water to form stucco.

Post calcination grind. The stucco undergoes further grinding to obtain a particle size suitable for plaster products.

Screening. The stucco is screened to ensure a uniform particle size for use in the product.

Additive weighing. Stucco and other materials are weighed according to a product recipe.

Mixing. The stucco and other materials are mixed to form the plaster product.

Bag packing. The finished plaster product is bagged.

Palletising. Finished bagged plaster products are loaded on pallets.

Stretch hooder. Pallet loads of bagged plaster are held together with an LDPE film wrapping.

A4-A5. Construction process stage

The construction process is divided into two 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 warehouses 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)	Average truck trailer, 28.7 t maximum load, average load 26.2 t, HVO consumption 38 litres per 100 km
Distance	154 km
Capacity utilisation (including empty returns)	78% (including 30% empty returns)
Volume capacity utilisation factor	1 (by default)

Parameter	Value/Description
Fuel type and consumption of vehicle or vehicle type used for transport (e.g. long-distance truck, boat)	Container ship: 43000 t payload capacity Fuel type: Heavy fuel oil
Distance	0.2 km
Shipping average utilisation	70%

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, and the transport and management of packaging and product waste.

When installed, water is added to the dry powder and mixed. The LCA considers some of this water is retained to form dried plaster, meaning 1 kg of dry powder produces a greater mass of dried plaster (see C1-C4 End-of-life stage). Remaining added water evaporates.

Adhesive plasters: The amount of Gyproc DriWall Adhesive dry powder required to fix two plasterboard sheets with a total area of 5.8 m² is 25 kg, with a recommended ratio of 13.5-14.5 kg of water / 25 kg of dry powder.

Parameter	Value/Description
Ancillary materials for installation	None
Water for on-site mixing of plaster	Modelled as 14.5 kg of water / 25 kg of dry powder [14]
Other resource use	None
Electricity for on-site mixing	0.0154 MJ/kg (powder)
Scrap rate at installation	5% for dry plaster powder [14] 100% for packaging
Wastage of materials on the building site before waste processing, generated by the product's installation (specified by type)	Plaster (powder): 0.05 kg Packaging: 0.020 kg
Transport of packaging waste	Landfill: 80 km Plaster (powder): 0.05 kg 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 (specified by route))	Cardboard packaging: 0.00097 kg to landfill Composite bag packaging: 0.0034 kg to landfill LDPE bag packaging: 0.000009 kg to landfill LDPE film packaging: 0.00028 kg to landfill Pallet packaging: 0.013 kg to landfill, 0.0025 kg to reuse ⁶
Direct emissions to ambient air, soil, and water	None

⁶ British Gypsum has a partnership with The Pallet LOOP pallet reuse scheme [24].

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 60 years (see LCA information section). This is valid under the SpecSure® warranty only when British Gypsum systems are specified, installed and finished in line with British Gypsum recommendations. It also assumes that the product will last in-situ with no requirements for maintenance, repair, replacement, or refurbishment throughout this period. Therefore, it has no impacts at this stage.

C1-C4. End-of-life stage

This stage includes the following modules:

C1. Deconstruction, demolition

The deconstruction and/or dismantling of the product occurs during demolition of the entire building. The energy considered for demolition is 1.1 kWh/tonne [4].

C2. Transport to waste processing

This module includes the transport for final disposal.

C3. Waste processing for reuse, recovery and/or recycling

This module includes processing of waste fractions from deconstruction for reuse, recycling or recovery. Since we assume no reuse, recycling or recovery of waste plaster, this is not applicable.

C4. Waste disposal

This module includes physical pre-treatment and site management for waste disposal. 100% of the product is assumed to be landfilled.

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

Parameter	Value/Description
Collection process specified by type	1.16 kg of installed plaster product (consisting of 1 kg of plaster powder) is collected with mixed deconstruction and demolition waste
Recovery system specified by type	0 kg recycled. There is no reuse, recycling or recovery of the product once it has reached end of life
Disposal specified by type	1.16 kg to landfill
Assumptions for scenario development (e.g. transportation)	The waste will be transported by truck with 24 t payload, using diesel as a fuel consuming 38 litres per 100 km Transport distance to landfill: 80 km

D. Reuse/recovery/recycling potential

This module includes the potential loads and benefits resulting from reuse, recycling and recovery beyond the system boundary.

Input materials for the manufacture of Gyproc DriWall Adhesive include no secondary content, hence, no secondary materials were assumed to arise from the processing of waste in modules A4, A5, B and C. This is because all waste was assumed to be landfilled as a worst-case scenario. Impacts associated with landfill are accounted in module C4 and no benefits are shown in module D.

Environmental performance

As specified in EN 15804:2012+A2:2019/AC:2021 and PCR 2019:14, the environmental impacts are declared and reported using the baseline characterisation 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 the following environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with their use:

- Resource use, mineral and metals [kg Sb eq.]
- Resource use, energy carriers [MJ]
- Water deprivation potential [m³ world equiv.]

Disclaimer 2: 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 functional unit of 1 kg of applied dry Gyproc DriWall Adhesive powder. The following results refer to a single product manufactured in two separate plants.

Environmental impacts

FU: 1 kg of dry Gyproc DriWall Adhesive powder, as applied

		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
	Climate Change [kg CO ₂ eq.]	8.08E-02	1.72E-03	3.67E-02	0	0	0	0	0	0	0	4.60E-04	1.14E-02	0	1.03E-02	0
	Climate Change (fossil) [kg CO ₂ eq.]	1.10E-01	1.72E-03	8.77E-03	0	0	0	0	0	0	0	4.59E-04	1.13E-02	0	7.83E-03	0
	Climate Change (biogenic) [kg CO ₂ eq.]	-3.03E-02	5.77E-07	2.78E-02	0	0	0	0	0	0	0	3.71E-08	2.36E-05	0	2.48E-03	0
	Climate Change (land use change) [kg CO ₂ eq.]	7.41E-04	1.01E-06	4.42E-05	0	0	0	0	0	0	0	3.99E-08	1.17E-04	0	3.94E-06	0
	Ozone depletion [kg CFC-11 eq.]	1.27E-08	2.09E-11	6.51E-10	0	0	0	0	0	0	0	7.03E-12	1.34E-15	0	2.10E-10	0
	Acidification terrestrial and freshwater [Mole of H ⁺ eq.]	3.32E-04	9.77E-06	2.37E-05	0	0	0	0	0	0	0	4.15E-06	1.42E-05	0	5.17E-05	0
	Eutrophication freshwater [kg P eq.]	3.78E-06	5.01E-08	2.01E-07	0	0	0	0	0	0	0	1.62E-09	3.06E-08	0	7.11E-08	0
	Eutrophication marine [kg N eq.]	1.63E-04	3.18E-06	1.22E-05	0	0	0	0	0	0	0	1.92E-06	5.38E-06	0	1.97E-05	0
	Eutrophication terrestrial [Mole of N eq.]	1.17E-03	3.59E-05	8.62E-05	0	0	0	0	0	0	0	2.11E-05	5.64E-05	0	2.15E-04	0
	Photochemical ozone formation - human health [kg NMVOC eq.]	2.70E-04	8.92E-06	2.33E-05	0	0	0	0	0	0	0	6.28E-06	1.18E-05	0	7.70E-05	0
	Resource use, mineral and metals [kg Sb eq.] ⁷	2.90E-07	5.50E-09	1.55E-08	0	0	0	0	0	0	0	1.64E-10	7.51E-10	0	1.14E-08	0
	Resource use, energy carriers [MJ] ⁷	1.98E+00	3.03E-02	1.57E-01	0	0	0	0	0	0	0	5.95E-03	1.44E-01	0	1.78E-01	0
	Water deprivation potential [m ³ world equiv.] ⁷	2.46E-02	5.44E-04	2.66E-02	0	0	0	0	0	0	0	1.85E-05	4.54E-05	0	8.27E-03	0

⁷ 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.

Resource use

FU: 1 kg of dry Gyproc DriWall Adhesive powder, as applied

Resource 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] ⁸	1.57E+00	1.10E-03	8.54E-02	0	0	0	0	0	0	0	3.69E-05	1.06E-02	0	1.83E-03	0
	Primary energy resources used as raw materials (PERM) [MJ] ⁸	3.08E-01	0	-2.81E-01	0	0	0	0	0	0	0	0	0	0	-2.71E-02	0
	Total use of renewable primary energy resources (PERT) [MJ] ⁸	1.88E+00	1.10E-03	-1.95E-01	0	0	0	0	0	0	0	3.69E-05	1.06E-02	0	-2.53E-02	0
	Use of non-renewable primary energy (PENRE) [MJ] ⁸	2.00E+00	3.03E-02	1.58E-01	0	0	0	0	0	0	0	5.95E-03	1.44E-01	0	1.78E-01	0
	Non-renewable primary energy resources used as raw materials (PENRM) [MJ] ⁸	1.30E-01	0	-1.90E-02	0	0	0	0	0	0	0	0	0	0	-1.11E-01	0
	Total use of non-renewable primary energy resources (PENRT) [MJ] ⁸	2.13E+00	3.03E-02	1.39E-01	0	0	0	0	0	0	0	5.95E-03	1.44E-01	0	6.75E-02	0
	Use of secondary material (SM) [kg]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Use of renewable secondary fuels (RSF) [MJ]	5.67E-03	1.15E-01	2.83E-04	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]	6.37E-04	1.27E-05	6.28E-04	0	0	0	0	0	0	0	4.30E-07	5.11E-06	0	1.93E-04	0

⁸ From PCR 2019:14 v2.0.1, Option A was selected to calculate the primary energy use indicators.

Waste category and output flows

FU: 1 kg of dry Gyproc DriWall Adhesive powder, as applied		Product stage	Construction stage	Use stage								End of life stage				Benefits and loads beyond the life cycle
Waste category and output flows		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
	Hazardous waste disposed (HWD) [kg]	4.52E-03	2.21E-04	2.33E-04	0	0	0	0	0	0	0	5.20E-06	5.22E-12	0	1.33E-04	0
	Non-hazardous waste disposed (NHWD) [kg]	1.86E-02	1.90E-03	9.02E-02	0	0	0	0	0	0	0	4.02E-05	1.90E-05	0	1.16E+00	0
	Radioactive waste disposed (RWD) [kg]	2.20E-06	1.81E-08	3.76E-06	0	0	0	0	0	0	0	6.61E-10	1.90E-07	0	3.58E-08	0
	Components for re-use (CRU) [kg]	3.33E-06	0	2.78E-03	0	0	0	0	0	0	0	0	0	0	0	0
	Materials for Recycling (MFR) [kg]	5.13E-03	0	2.56E-04	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]	5.63E-05	0	2.81E-06	0	0	0	0	0	0	0	0	0	0	0	0
	Exported thermal energy (EET) [MJ]	1.00E-04	0	5.01E-06	0	0	0	0	0	0	0	0	0	0	0	0

Additional voluntary indicators from EN 15804

FU: 1 kg of dry Gyproc DriWall Adhesive powder, as applied		Product stage	Construction stage		Use stage							End of life stage				Reuse, recovery recycling
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.] ⁹	1.11E-01	1.72E-03	8.81E-03	0	0	0	0	0	0	0	4.60E-04	1.14E-02	0	7.83E-03	0

Information on biogenic carbon content

		Product stage
Biogenic carbon content		A1 / A2 / A3
	Biogenic carbon content in product [kg C]	6.76E-04
	Biogenic carbon content in packaging [kg C]	7.59E-03

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂. The product contains biogenic carbon due to the additives used. Biogenic carbon content in packaging is due to wooden pallets, cardboard and composite bags.

⁹ 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.

Declaration of variation

This EPD covers the same product manufactured at two different sites. The variation in the GWP-GHG indicator between sites ranges from -4.8% to +19%.

Additional environmental information

Electricity information

The mine and production sites at East Leake and Kirkby Thore, and British Gypsum owned warehouse sites in England, use electricity with a Guarantee of Origin (GO) certificate. Hence, use of electricity at these locations is modelled according to the electricity mix described in the GO certificate. The amount of electricity purchased with GOs covers all electricity consumption at these sites.

Type of information	Description
Location	Representative of the GO purchased by Saint-Gobain
Share of electricity covered by Guarantee of Origin	100% of the British Gypsum owned sites' electricity consumption is covered by the GO
Dataset version	Sphera CUP2025.1 ecoinvent 3.10 (medium voltage)
Type of dataset	Cradle to gate from Sphera and ecoinvent databases
Source of electricity mix	Smartest Energy Limited GO certificate
GWP-GHG CO₂ eq.	0.0236 kg CO ₂ eq/kWh

Electricity at one leased warehouse site in England is modelled according to the residual electricity mix. This comprises less than 1% of electricity use in module A3.

Type of information	Description
Location	Residual electricity mix in England (2023)
Geographical and technical representativeness	Share of energy sources: Biomass - 1.8% Coal - 14.4% Heavy fuel oil - 1.5% Lignite - 0.04% Natural gas - 52.3% Nuclear - 18.6% Photovoltaic - 0.7% Wind - 10.7%
Dataset version	Sphera CUP2025.1 ecoinvent 3.10 (medium voltage)
Source of electricity mix	AIB 2024 [23]
GWP-GHG CO₂ eq.	0.489 kg CO ₂ eq/kWh

An EPD is valid for 5 years. Therefore, the GO will be maintained for the period of validity of this EPD. If not, the EPD will be updated.

Abbreviations

DU	Declared Unit
EPD	Environmental Product Declaration
eq.	equivalent
FU	Functional Unit
EF	Environmental Footprint

GO	Guarantee of Origin
kg	kilogram
kWh	kilowatt-hour
l	litre
LCA	Life Cycle Assessment
MJ	Mega Joules (as Net Calorific Value)
PCR	Product Category Rules
RSL	Reference Service Life (in years)
tonne	metric ton (1000 kg)

References

- [1] EPD International AB, "The International EPD System." Accessed: Dec. 19, 2025. [Online]. Available: www.environdec.com
- [2] European Committee for Standardization (CEN), "EN 15804:2012 + A2:2019 / AC:2021 Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products," 2021.
- [3] International Organization for Standardization, "ISO 21930:2017, Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services," 2017.
- [4] EPD International AB, "PCR 2019:14 Construction Products - version 2.0.1," 2025. [Online]. Available: <https://api.environdec.com/api/v1/EPDLibrary/Files/cfb8786b-c166-4d25-02ed-08dc38ee8ac8/Data>
- [5] EPD International AB, "c-PCR-031 (to PCR 2019:14) Gypsum-based construction products (EN 17328:2024)," 2024.
- [6] International Organization for Standardization, "ISO 14025:2010, Environmental labels and declarations — Type III environmental declarations — Principles and procedures," 2010.
- [7] International Organization for Standardization (ISO), "ISO 14020:2022 Environmental statements and programmes for products - Principles and general requirements," 2022.
- [8] International Organization for Standardization, "ISO 14001:2015; Environmental management systems," 2015.
- [9] International Organization for Standardization, "ISO 50001:2018, Energy management systems - Requirements with guidance for use," 2018.
- [10] International Organization for Standardization, "ISO 9001:2015, Quality management systems - Requirements," 2015.
- [11] Saint-Gobain British Gypsum, "Gyproc DriWall Adhesive." Accessed: Dec. 19, 2025. [Online]. Available: www.british-gypsum.com/products/finishing-products/gyproc-driwall-adhesive
- [12] European Committee for Standardization (CEN), "EN 14496:2005 Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards. Definitions, requirements and test methods," 2005.
- [13] European Chemical Agency, "Candidate list of substances of very high concern for Authorisation."
- [14] European Committee for Standardization, "EN 17328:2024 Complementary product category rules for gypsum-based construction products," 2024.
- [15] Saint-Gobain British Gypsum, "SpecSure British Gypsum Systems Warranty." Accessed: Dec. 11, 2024. [Online]. Available: www.british-gypsum.com/technical-support/specsure-system-warranty
- [16] Sphera, "Managed LCA Content," 2025. Accessed: Dec. 19, 2025. [Online]. Available: <https://sphera.com/environment-health-safety-sustainability/corporate-sustainability-software/managed-lca-content/>
- [17] ecoinvent, "ecoinvent v3.10," 2025. Accessed: Dec. 19, 2025. [Online]. Available: <https://ecoinvent.org/ecoinvent-v3-10/>

- [18] Sphera, “Life Cycle Assessment (LCA) Software LCA for Experts,” 2024. Accessed: May 23, 2024. [Online]. Available: <https://sphera.com/life-cycle-assessment-lca-software/>
- [19] International Organization for Standardization [ISO], “ISO 14040:2006, Environmental management - Life cycle assessment - Principles and framework,” 2006.
- [20] International Organization for Standardization, “ISO 14044:2006 +A2:2020, Environmental management — Life cycle assessment — Requirements and guidelines,” 2020.
- [21] EPD International AB, “General Programme Instructions for the International EPD System Version 5.0.1,” 2025. Accessed: Dec. 17, 2025. [Online]. Available: https://www.datocms-assets.com/37502/1744981993-gpi5-0_20250227.pdf
- [22] European Commission, “European Platform on LCA | EPLCA - EN 15804 reference package,” 2023. [Online]. Available: <https://eplca.jrc.ec.europa.eu/LCDN/EN15804.xhtml>
- [23] Association of Issuing Bodies (AIB), “Residual Mixes and European Attribute Mix of 2023.” Accessed: Dec. 23, 2025. [Online]. Available: www.aib-net.org/facts/european-residual-mix/2023
- [24] The Pallet LOOP, “Get in the LOOP,” 2025. Accessed: Dec. 19, 2025. [Online]. Available: www.thepalletloop.com/get-in-the-loop

Version history

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