ENVIRONMENTAL PRODUCT DECLARATION

EPD

IN ACCORDANCE WITH EN 15804+A2, EN 16485:2014 & ISO 14025

Product name:

GypSerra®
Steel profiles for drywall systems

Producer:

Saint-Gobain Construction Products Polska Sp. z o.o.

Issued on 31 December 2025
Valid until 31 December 2030

GENERAL INFORMATION

EPD OWNER

EPD Holder	Saint-Gobain Construction Products Polska Sp. z o.o.
Company Address	ul.Okrężna 16, 44-100 Gliwice,Poland
Contact details	e-mail: katarzyna.malczak@saint-gobain.com phone: +48 502 786 922
Website	https://www.saint-gobain.pl/

PRODUCT IDENTIFICATION

Product name	GypSerra® Steel profiles for drywall systems
Place(s) of production	Poland

EPD INFORMATION

EPDs of construction products may not be comparable if they do not comply with EN 15804+A2 and if they are not compared in a building context.

EPD Polska program operator	Multicert Sp. z o.o. Ul. Mydlarska 47, 04-690 Warszawa, Poland www.epd.org.pl, epd@epd.org.pl
EPD standards	This EPD is in accordance with EN 15804+A2, and ISO 14025 standards.
Product category rules	The CEN standard EN 15804+A2 serves as the core PCR
EPD verification	Independent verification of this EPD and data, according to ISO 14025: □ Internal certification ■ External verification
EPD verifier	Izabela Sztamberek-Sochan, Ph.D.
EPD number	EPD-P 08.12.2025
Registration	EPD Polska www.epd.org.pl
Publishing date	31 December 2025
EPD valid until	31 December 2030
Reasons for performing LCA	B2B

Accountability

The EPD Holder is responsible for the information provided and evidence. Multicert Sp. z o.o. does not hold responsibility for the manufacturer information, life cycle assessment data nor supporting evidence.

COMPANY INFORMATION

HOLDER OF THE EPD

Saint-Gobain Construction Products Polska Sp. z o.o.
ul.Okrężna 16, 44-100 Gliwice,Poland

COMPANY PROFILE

Saint-Gobain Construction Products Polska Sp. z o.o. is part of the international Saint-Gobain Group, a global leader in light and sustainable construction solutions. The Saint-Gobain Group operates in more than 70 countries and designs, manufactures, and distributes materials and systems for the construction and industrial markets, with a strong focus on innovation, energy efficiency, and resource efficiency.

In Poland, Saint-Gobain Construction Products Polska Sp. z o.o. develops and supplies comprehensive building solutions, including systems for dry construction. Within this portfolio, steel profiles marketed under the Rigips brand, such as the GypSerra® product range, are designed to meet the technical, mechanical, and functional requirements of modern lightweight partition and ceiling systems. The products are intended for use in residential, commercial, and public buildings.

The company's activities cover product design, quality management, and market distribution, while manufacturing is carried out in accordance with Saint-Gobain's technical specifications and quality standards, at selected production sites within Europe. All products are developed in compliance with applicable European standards and building regulations.

Sustainability is an integral part of Saint-Gobain's corporate strategy. The Group is committed to reducing environmental impacts across the value chain, including the use of responsibly sourced raw materials, increased recycled content, energy efficiency in production, and continuous reduction of greenhouse gas emissions. By delivering durable and recyclable steel profiles as part of integrated dry construction systems, Saint-Gobain Construction Products Polska Sp. z o.o. contributes to resource-efficient buildings and long service life of construction products.

PRODUCT INFORMATION

SCOPE OF THIS EPD

This Environmental Product Declaration (EPD) covers galvanized steel profiles for internal drywall systems, marketed under the GypSerra® product range. The declared products include wall, ceiling and auxiliary steel profiles used as metal framing components in non-load-bearing gypsum plasterboard constructions.

All products covered by this EPD are manufactured in Poland for Saint-Gobain Construction Products Polska Sp. z o.o. and are placed on the market under the Rigips brand. The declaration applies to profiles produced using the same raw material type, manufacturing technology and quality management system, and marketed for use in the Polish and European construction markets.

This EPD is valid only for GypSerra® profiles manufactured in Poland for Saint-Gobain Construction Products Polska Sp. z o.o. .

PRODUCT DESCRIPTION

The product group covered by this Environmental Product Declaration (EPD) comprises cold-formed galvanized steel profiles intended for internal drywall framing systems and marketed under the GypSerra® brand by Rigips, a brand of the Saint-Gobain Group.

Rigips GypSerra® profiles are based on an innovative, patented corrugation technology that significantly increases the rigidity of the profiles and their resistance to deflection compared with conventional solutions of the same thickness. Tests performed by the Building Research Institute (Instytut Techniki Budowlanej) have confirmed that GypSerra® profiles exhibit higher bending strength and stiffness than standard profiles, while fully meeting the fire, acoustic and static performance parameters declared by Rigips. As a result, the profiles can be safely used in all drywall systems offered by Rigips.

GypSerra® profiles serve as structural sub-elements within gypsum plasterboard systems. They are designed for internal, non-load-bearing applications in walls and ceilings. As steel components, when used as part of a framing system, the profiles are inherently non-combustible and achieve reaction-to-fire class A1.

DECLARED PROFILE VARIANTS

The table below presents the declared variants of galvanized steel profiles covered by this Environmental Product Declaration (EPD), together with their nominal dimensions, steel thicknesses and mass per linear metre. The listed variants represent the current product range of drywall steel profiles marketed under the GypSerra® brand.

Product name	Width	Weight per linear meter / kg	Thickness
CW 50 GypSerra®	50 mm	0,73	0,6 mm
CW 75 GypSerra®	75 mm	0,84	0,6 mm
CW 100 GypSerra®	100 mm	0,96	0,6 mm
UW 50 GypSerra®	50 mm	0,55	0,55 mm
UW 75 GypSerra®	75 mm	0,66	0,55 mm
UW 100 GypSerra®	100 mm	0,77	0,55 mm
CD 60 GypSerra®	60 mm	0,52	0,55 mm
UD 30 GypSerra®	30 mm	0,35	0,55 mm

Table 1 - GypSerra® profiles variants covered by the EPD.

REPRESENTATIVITY OF RESULTS

Environmental impacts in this EPD are declared per 1 kg of product. The mass per linear metre [kg/m] provided in previous section can be used as a conversion factor to calculate environmental impacts per 1 linear metre of a selected profile variant. To do so, each environmental indicator declared per 1 kg shall be multiplied by the corresponding linear mass [kg/m] given in the table 1 above.

PRODUCT APPLICATION

GypSerra® steel profiles are used to create the internal metal support framework for drywall systems. Their primary function is to provide dimensional stability and to carry the self-weight of gypsum boards and associated layers. Typical applications include:

- Partition walls — vertical studs combined with horizontal tracks
- Ceiling constructions — main ceiling members with perimeter channels
- Reinforced openings — profiles applied around door and window openings

GypSerra® steel profiles are structural components used as part of drywall systems. They provide mechanical support and dimensional stability for gypsum plasterboards and associated finishing layers. The profiles do not perform a stand-alone function and are designed to be used exclusively within complete drywall systems in combination with boards, fixings and accessories.

REFERENCE SERVICE LIFE (RSL)

The reference service life (RSL) of the GypSerra® steel profiles is assumed to be 50 years, in line with typical drywall systems, provided that the product is installed and used in accordance with applicable standards and manufacturer's instructions. The steel profiles do not require replacement during the service life of the drywall system under normal conditions of use.

PRODUCT RAW MATERIAL COMPOSITION

The profiles are manufactured predominantly from hot-dip galvanized carbon steel, typically grade DX51D (+Z) in accordance with EN 10346, which constitutes more than 99 % by mass of the finished product.

The profiles are additionally treated with a thin organic protective layer applied on the galvanized surface. The coating serves a temporary corrosion protection function during transport, storage and installation and represents less than 1 % by mass of the finished product.

Auxiliary and packaging materials, present in small quantities, include:

- wooden pallets and support blocks,
- polymer strapping and protective packaging.

REFERENCE STANDARDS

The GypSerra® profiles are designed, manufactured and assessed in accordance with relevant European standards, including:

- EN 14195 — Metal framing components for gypsum plasterboard systems
- EN 10346 — Continuously hot-dip coated flat steel products

The products are intended to be compatible with related drywall components and systems of Saint-Gobain.

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1% (1000 ppm).

PRODUCT LIFE-CYCLE

RAW MATERIAL SUPPLY AND TRANSPORT (A1, A2)

Module A1 covers the supply of raw materials used for the production of galvanized steel profiles for drywall systems manufactured within the Saint-Gobain Group in Poland. The primary material input is hot-dip galvanized carbon steel strip, typically grade DX51D (+Z), delivered in coils. The steel is sourced from established suppliers located mainly within Europe, with limited volumes originating from other regions.

Module A2 includes the transport of raw materials from steel producers to the profile manufacturing facilities. Transport is predominantly carried out by road using heavy-duty diesel trucks (>16 t, EURO 6). For overseas supplies, maritime transport is applied for the long-distance leg, followed by road transport within Europe. The LCA model reflects representative average transport distances, amounting to approximately 400 km by road per kilogram of product and around 3,800 km by sea for imported steel.

MANUFACTURING (A3)

Module A3 covers the manufacturing of galvanized steel profiles for drywall systems at production facilities. The process begins with uncoiling of the galvanized steel strip, followed by slitting into narrower strips and continuous cold roll-forming into the required profile geometries. Where applicable, perforations or service openings are created in-line, after which the profiles are cut to standard lengths.

Energy consumption during manufacturing includes electricity used for roll-forming lines, auxiliary equipment and material handling, as well as thermal energy used for space heating of the production halls. Steel off-cuts and punching residues generated during production are collected separately and transferred to external recycling operators. The environmental benefits associated with recycling of steel scrap and substitution of primary steel are reported outside the system boundary in Module D, in accordance with EN 15804.

Packaging operations include bundling of profiles using polymer straps, stacking with wooden spacers and securing into transport units. Finished bundles are labelled, quality-checked and prepared for dispatch.

TRANSPORT TO CENTRAL WAREHOUSE (A4)

Module A4 covers the transport of finished GypSerra® steel profiles from the manufacturing site in Poland to the central warehouse of Saint-Gobain Construction Products Polska Sp. z o.o. From this warehouse, products are subsequently distributed to customers; however, any onward transport to individual customers or construction sites is outside the scope of this EPD and is therefore excluded from Module A4.

The transport inventory is modelled on a mass–distance basis (kg·km) and refers to the declared unit of 1 kg of product. A representative transport scenario is applied, consisting of road transport by heavy-duty diesel trucks, resulting in an average transport effort of 320 kg·km per kilogram of product, scaled to the declared unit.

CONSTRUCTION PROCESS STAGE (A5)

The construction process stage (A5) covers the installation of Gypserra® steel profiles as part of drywall systems. Installation is a predominantly manual process and does not require the use of water or energy attributable to the product itself.

Ancillary materials required for installation include steel screws. Material losses during installation are assumed at 5% of the installed steel profile mass. Steel off-cuts generated on site are collected separately and sent for recycling. An average recycling rate of 85% is assumed for steel installation waste, with the remaining fraction disposed of in landfill. Packaging waste generated during installation is assumed to be disposed of in landfill.

No direct emissions to air, water or soil occur during the installation process.

Use stage (B1–B7)

The use stage modules B1 to B7 are declared with zero environmental impact. GypSerra® steel profiles do not generate emissions during use, do not require energy or water consumption, and do not require maintenance, repair, replacement or refurbishment throughout the service life of the drywall system. The profiles remain permanently integrated within the building construction and do not cause any environmental impacts during the use phase.

PRODUCT END OF LIFE (C1,C2,C3,C4,D)

Module C1 – Deconstruction

At the end of the service life, GypSerra® steel profiles are dismantled during renovation or demolition works using standard manual methods and handheld power tools. No specialised equipment or auxiliary materials are required. The energy demand for deconstruction is assumed at 0.04 MJ per declared unit (1 kg).

Module C2 – Transport of waste

This module covers transport of dismantled profiles from the demolition site to waste treatment facilities. A 100 km road transport distance is assumed. 92 % of the mass is directed to recycling, while 8 % is transported to final disposal. Transport is modelled using a 3.5–7.5 t EURO 6 truck.

Module C3 – Waste processing

Steel profiles intended for recycling undergo mechanical pre-treatment such as sorting and removal of contaminants. It is assumed that 92 % of the product mass is processed as steel scrap for recycling (MFR). Module C3 reports inventory flows without allocation of recycling benefits.

Module C4 – Disposal

The remaining 8 % of the product mass that is not suitable for material recovery is disposed of via landfilling.

Module D – Benefits and loads beyond the system boundary

Module D accounts for the benefits from steel recycling using the net-scrap approach. Recyclable steel scrap generated during the construction stage (A5) and at the end-of-life stage is considered as a single outgoing material flow beyond the system boundary.
Based on 1 kg of product, a recycling rate of 92% is assumed for steel waste. Considering a recycling efficiency of 92% and a scrap content (RC) of 6.48% in the input steel, the resulting net scrap amount equals 0.78 kg per kg of product. This net scrap is credited in module D as avoided primary steel production, after deduction of the environmental loads associated with scrap processing, transport and remelting.

LIFE-CYCLE ASSESSMENT

LIFE-CYCLE ASSESSMENT INFORMATION

©	January-August 2025

DECLARED UNIT

Declared unit	1 kg

BIOGENIC CARBON CONTENT

The product does not contain biogenic carbon.

SYSTEM BOUNDARY

The scope of this Environmental Product Declaration (EPD) is cradle to grave with module D, in accordance with EN 15804+A2. The EPD covers the product stage modules A1 (Raw material supply), A2 (Transport) and A3 (Manufacturing), the construction process stage modules A4* (Transport to the distributor's central warehouse) and A5 (Installation), the use stage modules B1–B7, and the end-of-life stage modules C1 (Deconstruction/demolition), C2 (Waste transport), C3 (Waste processing) and C4 (Waste disposal). Module D (Benefits and loads beyond the system boundary) is also included.

*- Module A4 includes transport to the central Saint-Gobain's Construction Products Polska Sp. z o.o. warehouse only; downstream distribution is excluded.

Product stage			Construction process stage		Use stage							End of life stage				Beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	MND	X	X	X	X	X	X	X	X	X	X	X	X
Raw materials	Transport	Manufacturing	Transport*	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demo	Transport	Waste processing	Disposal	Reuse Recovery Recycling

X – module declared.

*- Module A4 includes transport to the central Saint-Gobain's Construction Products Polska Sp. z o.o. warehouse only; downstream distribution is excluded.

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the EN 15804:2012+A2. The study does not exclude any hazardous materials or substances.

The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes which data are available for are included in the calculation. There is no neglected unit process more than 1% of total mass and energy flows. The total neglected input and output flows do also not exceed 5% of energy usage or mass.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy, and water use related to company management and sales activities are excluded.

ALLOCATION

Allocation was performed in accordance with EN 15804+A2. Foreground data representative for the 2025 production period were collected for the complete GypSerra® product range and allocated to the declared unit (1 kg of profile) on a mass basis, as the same resources and production processes apply to all product variants.

DATA QUALITY AND REPRESENTATIVENESS

Primary (foreground) data were collected for an eight-month period in 2025. GypSerra® steel profiles have been manufactured at the declared production site since January 2025; therefore, a full calendar year of production data was not available at the time of the study.The collected data are considered representative for the current production conditions and were used to model the environmental impacts in accordance with EN 15804+A2.

All relevant background datasets were sourced from the ecoinvent v3.9.1 database implemented in the OpenLCA software.

GEOGRAPHIC REPRESENTATIVENESS

The product system covered by this EPD is manufactured and managed in Poland, Europe.

ESTIMATES AND ASSUMPTIONS

The life cycle assessment (LCA) was performed in accordance with EN 15804+A2, applying the relevant requirements regarding system boundaries, indicators, allocation procedures, data quality and cut-off rules. The main modelling assumptions applied in the study are summarised below.

A1 – Raw material supply and net-scrap approach

Material inputs were modelled using a complete mass balance based on manufacturer data for the production of GypSerra® steel profiles from DX51D (+Z) steel. For steel suppliers providing verified Environmental Product Declarations, primary supplier-specific data were applied (approximately 50 % of steel sheet purchases). For the remaining share, background datasets from ecoinvent v3.9.1 (cut-off system model) were used. The net-scrap approach was applied, meaning that the scrap content in input steel (RC) does not generate credits in Module D.

A2 – Transport of raw materials

Average transport distances were determined based on supplier locations and the applicable logistics mix. The model includes road transport by EURO 6 trucks over an average distance of 400 km, complemented by containerised sea transport over approximately 3,800 km for overseas supplies.

A3 – Manufacturing

Energy consumption for profile production was based on site-specific production data and includes grid electricity for processing equipment and thermal energy for space heating of the production hall. Steel off-cuts generated during cutting and punching operations are collected separately and transferred to an external scrap collection facility. The environmental benefits associated with recycling of production scrap are accounted for beyond the system boundary in Module D. Packaging includes PET strapping, wooden spacers and steel banding for transport units.

A4 – Transport to distributor’s warehouse

Module A4 covers the transport of finished GypSerra® steel profiles from the manufacturing site to the distributor’s central warehouse. Transport distances were determined based on the actual logistics routes applied. Road transport by EURO 6 trucks for distance of 320 km is assumed for this stage. Transport from the distributor’s warehouse to the construction site is not included in Module A4, as it is project-specific and cannot be represented by a generic and representative scenario within the scope of this EPD.

A5 – Installation in the building

Installation of GypSerra® steel profiles is assumed to be a predominantly manual process. No electricity or water consumption attributable to the installation of the product is modelled. Ancillary materials required for installation include steel screws, assumed at 0.0026 kg per kg of installed steel profile. Material losses during installation are assumed at 5% of the installed product mass. Steel off-cuts generated on site are collected separately. For steel installation waste, the same recycling assumptions as applied at the end-of-life stage are used. It is assumed that 92% of the steel installation waste is sent to recycling and 8% to landfill. This approach ensures consistency in the modelling of steel recycling across life cycle stages. Packaging waste generated during installation is assumed to be disposed of in landfill. Transport of installation waste is not modelled explicitly, as it is assumed to be included in the applied waste treatment datasets. No direct emissions to air, water or soil are assumed to occur during the installation stage.

C1 – Deconstruction

End-of-life removal of drywall systems is assumed to follow standard construction practice. Energy use associated with dismantling using handheld power tools is assumed at 0.04 MJ per kg of product.

C2 – Transport after end of life

A representative 100 km road transport distance (EURO 6) is assumed for transport of dismantled profiles. Of the total mass, 92 % is transported to steel scrap recycling and 8 % to final disposal.

C3 – Waste processing

Steel profiles intended for recycling undergo mechanical pre-treatment, including sorting, removal of contaminants and preparation for recycling. It is assumed that 92 % of the product mass is treated as material for recycling (MFR). Module C3 reports inventory flows without allocation of recycling credits.

C4 – Disposal

The remaining 8 % of the product mass that cannot be recovered is disposed of via landfilling.

D – Benefits beyond the system boundary

Benefits from steel recycling are modelled using the net-scrap approach, assuming a recycling efficiency of 92 % and a scrap content (RC) of 6.48 % in input steel. The resulting net scrap amount equals 0.78 kg per kg of product and is credited as avoided primary steel production after deduction of the environmental loads associated with scrap logistics and remelting.

MANUFACTURING ENERGY SCENARIO DOCUMENTATION

Scenario parameter	Value
Electricity data source and quality	Electricity, medium voltage, production mix (Reference product: electricity, medium voltage), Poland, 2024
Electricity CO2e / kWh	0.701 kg CO2eq./ kWh

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP-Total	kg CO2 eq.	2,72E+00	2,40E-02	3,77E-02	2,78E+00	5,92E-02	1,48E-01	0,00E+00	8,51E-03	1,85E-02	2,35E-02	4,90E-04	-1,32E+00
GWP-fossil	kg CO2 eq.	2,74E+00	2,39E-02	3,76E-02	2,80E+00	5,91E-02	1,47E-01	0,00E+00	8,46E-03	1,85E-02	2,38E-02	4,90E-04	-1,32E+00
GWP-biogenic	kg CO2 eq.	-1,24E-02	2,19E-05	1,40E-04	-1,22E-02	5,42E-05	7,70E-04	0,00E+00	4,71E-05	1,69E-05	-4,10E-04	2,78E-07	2,43E-03
GWP-luluc	kg CO2 eq.	1,77E-03	1,18E-05	1,40E-05	1,80E-03	2,92E-05	4,78E-05	0,00E+00	2,52E-06	9,12E-06	3,49E-05	2,94E-07	-6,90E-04
ODP	kg CFC-11 eq.	3,15E-08	5,21E-10	5,14E-10	3,25E-08	1,29E-09	7,78E-10	0,00E+00	3,87E-11	4,02E-10	3,79E-10	1,41E-11	-2,46E-08
AP	mol H+ eq.	2,26E-02	5,23E-05	2,30E-04	2,29E-02	1,30E-04	1,04E-03	0,00E+00	6,08E-05	4,04E-05	2,70E-04	3,66E-06	-5,84E-03
EP-freshwater	kg P eq.	8,61E-04	1,70E-06	3,57E-05	8,98E-04	4,20E-06	1,70E-04	0,00E+00	1,01E-05	1,31E-06	1,40E-05	4,05E-08	-5,90E-04
EP-marine	kg N eq.	2,78E-03	1,32E-05	3,58E-05	2,83E-03	3,26E-05	1,50E-04	0,00E+00	8,75E-06	1,02E-05	6,24E-05	1,41E-06	-1,36E-03
EP-terrestrial	mol N eq.	7,96E-02	1,30E-04	3,30E-04	8,00E-02	3,30E-04	1,36E-03	0,00E+00	7,62E-05	1,00E-04	7,00E-04	1,51E-05	-1,38E-02
POCP	kg NMVOC eq.	1,01E-02	8,12E-05	1,00E-04	1,03E-02	2,00E-04	4,00E-04	0,00E+00	2,20E-05	6,27E-05	2,10E-04	5,25E-06	-7,03E-03
ADPE (disc.2)	kg Sb eq.	5,53E-05	5,56E-08	9,78E-08	5,54E-05	1,37E-07	8,80E-08	0,00E+00	2,60E-09	4,30E-08	5,08E-07	3,66E-10	-4,17E-06
ADPF (disc.2)	MJ, (NCV)	2,93E+01	3,42E-01	4,56E-01	3,01E+01	8,46E-01	1,69E+00	0,00E+00	9,68E-02	2,64E-01	3,27E-01	1,22E-02	-1,29E+01
WDP (disc.2)	m3 World eq.	8,31E-01	1,70E-03	8,55E-03	8,41E-01	4,20E-03	3,30E-02	0,00E+00	1,82E-03	1,31E-03	5,41E-03	3,79E-05	-5,74E-01
Acronyms	GWP-total – Climate change, total global warming potential; GWP-fossil – Climate change, fossil fuels; GWP-biogenic – Climate change, biogenic carbon; GWP-luluc – Climate change, land use and land use change; ODP – Ozone layer depletion; AP – Acidification of terrestrial and freshwater environments; EP-freshwater – Eutrophication, freshwater; EP-marine – Eutrophication, marine; EP-terrestrial – Eutrophication, terrestrial; POCP – Photochemical ozone formation (smog formation); ADPE – Abiotic depletion, minerals and metals; ADPF – Abiotic depletion, fossil fuels; WDP – Water scarcity (water use deprivation potential); NCV - net calorific value.												
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 experience with the indicator.												

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PM	Disease Incidence	2,05E-07	1,42E-09	6,81E-10	2,05E-07	3,52E-09	2,34E-09	0,00E+00	9,88E-11	1,10E-09	3,57E-09	7,84E-11	-1,02E-07
IRP (disc.1)	kBq U235 eq.	8,04E-02	4,60E-04	1,25E-03	8,21E-02	1,14E-03	4,94E-03	0,00E+00	2,80E-04	3,60E-04	2,57E-03	7,67E-06	4,94E-02
ETP-fw (disc.2)	CTUe	1,97E+01	1,68E-01	1,24E-01	2,00E+01	4,14E-01	4,64E-01	0,00E+00	2,51E-02	1,29E-01	2,53E-01	5,68E-03	-5,06E+00
HTP-c (disc.2)	CTUh	1,10E-08	1,07E-11	1,52E-11	1,10E-08	2,65E-11	8,84E-11	0,00E+00	2,58E-12	8,27E-12	3,24E-11	2,04E-13	8,01E-09
HTP-nc (disc.2)	CTUh	3,81E-08	2,10E-10	4,71E-10	3,88E-08	5,19E-10	1,74E-09	0,00E+00	9,45E-11	1,62E-10	1,35E-09	2,31E-12	-2,45E-08
SQP (disc.2)	Dimensionless	7,17E+00	2,05E-01	1,12E-01	7,49E+00	5,08E-01	3,96E-01	0,00E+00	2,06E-02	1,59E-01	5,74E-01	2,41E-02	-3,70E+00
Acronyms	PM – Particulate matter emissions (potential incidence of disease);IRP – Ionising radiation, human health exposure potential; ETP-fw – Ecotoxicity, freshwater; HTP-c – Human toxicity, cancer effects; HTP-nc – Human toxicity, non-cancer effects; SQP – Land use related impacts, soil quality.												
Disclaimer 1	This impact category 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 materials is also not measured by this indicator.												
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 experience with the indicator.												

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	MJ, (NCV)	2,62E+00	5,34E-03	9,17E-02	2,72E+00	1,32E-02	1,56E-01	0,00E+00	8,94E-03	4,12E-03	5,01E-02	1,00E-04	-7,76E-01
PERM	MJ, (NCV)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ, (NCV)	2,62E+00	5,34E-03	9,17E-02	2,71E+00	1,32E-02	1,56E-01	0,00E+00	8,94E-03	4,12E-03	5,01E-02	1,00E-04	-7,76E-01
PENRE	MJ, (NCV)	2,94E+01	3,42E-01	4,56E-01	3,02E+01	8,46E-01	1,69E+00	0,00E+00	9,68E-02	2,64E-01	3,27E-01	1,22E-02	-1,29E+01
PENRM	MJ, (NCV)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ, (NCV)	2,94E+01	3,42E-01	4,56E-01	3,02E+01	8,46E-01	1,69E+00	0,00E+00	9,68E-02	2,64E-01	3,27E-01	1,22E-02	-1,29E+01
SM	kg	2,85E-02	0,00E+00	6,85E-02	9,70E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ, (NCV)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ, (NCV)	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m3	2,72E-02	5,62E-05	9,40E-04	2,82E-02	1,40E-04	4,36E-03	0,00E+00	2,60E-04	4,34E-05	2,00E-04	1,32E-05	-1,56E-02
Acronyms	PERE – Use of renewable primary energy as energy carriers; PERM – Use of renewable primary energy resources as raw materials; PERT – Total use of renewable primary energy resources (PERE + PERM); PENRE – Use of non-renewable primary energy as energy carriers; PENRM – Use of non-renewable primary energy resources as raw materials; PENRT – Total use of non-renewable primary energy resources (PENRE + PENRM); SM – Use of secondary material; RSF – Use of renewable secondary fuels; NRSF – Use of non-renewable secondary fuels; FW – Net use of fresh water; NCV - net calorific value.												

OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,60E-02	0,00E+00	0,00E+00	0,00E+00	9,20E-01	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EET	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acronyms	CRU – Components for re-use; MFR – Materials for recycling; MER – Materials for energy recovery; EEE – Exported electrical energy; EET – Exported thermal energy.												

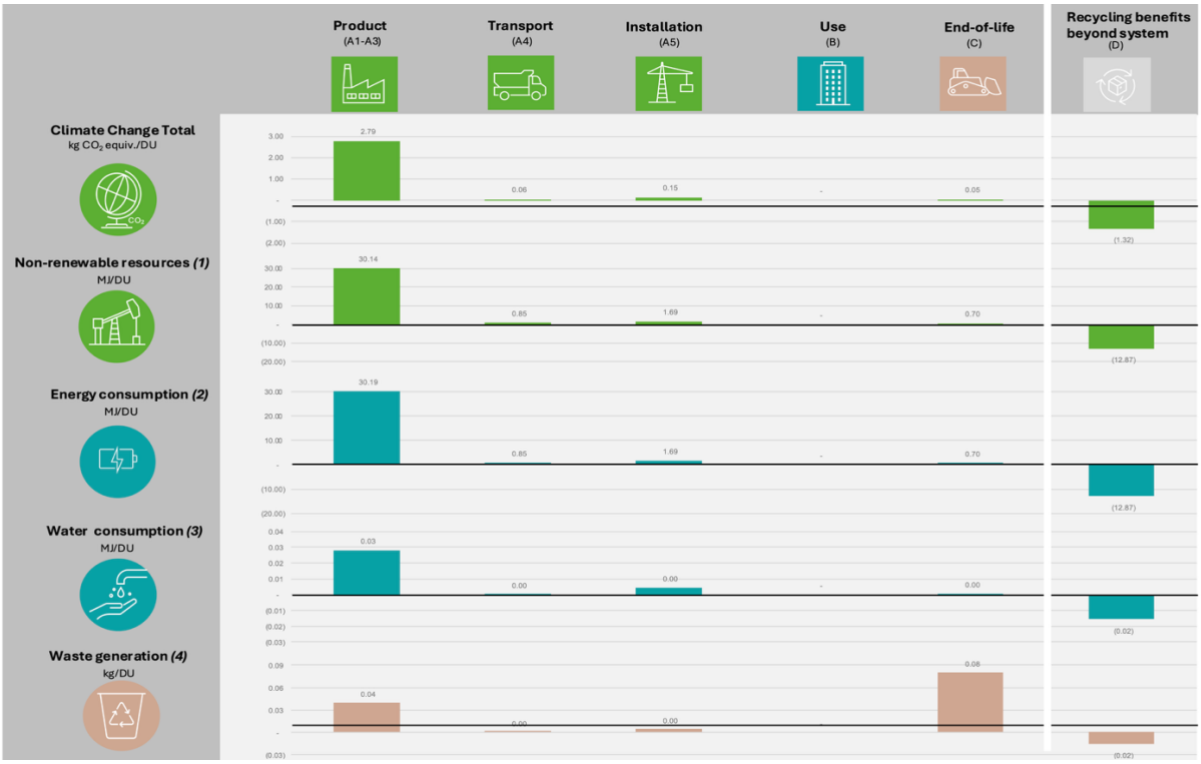
WASTE FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	kg	3,40E-04	2,17E-06	1,71E-06	3,44E-04	5,35E-06	1,57E-06	0,00E+00	5,78E-08	1,67E-06	1,80E-06	6,43E-08	-1,20E-04
NHWD	kg	3,89E-02	9,64E-06	1,64E-05	3,89E-02	2,38E-05	4,08E-03	0,00E+00	1,44E-06	7,44E-06	2,45E-05	8,00E-02	-1,55E-02
RWD	kg	2,48E-04	1,12E-07	3,09E-07	2,48E-04	2,76E-07	1,22E-06	0,00E+00	6,82E-08	8,63E-08	6,55E-07	1,79E-09	1,31E-05
Acronyms	HWD – Hazardous waste disposed; NHWD – Non-hazardous waste disposed; RWD – Radioactive waste disposed.												

ADDITIONAL INFORMATION

LCA INTERPRETATION

The following results are given for the studied product: **GypSerra® Steel profiles for drywall systems** (per 1 kg)



(1) This indicator corresponds to the abiotic depletion potential of fossil resources.
(2) This indicator corresponds to the total use of primary energy.
(3) This indicator corresponds to the net use of fresh water.
(4) This indicator corresponds to the sum of hazardous, non-hazardous and radioactive wastes disposed.

BIBLIOGRAPHY

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ISO 14040:2006 Environmental management. Life cycle assessment. Principles and frameworks.

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ecoinvent Association (2022). ecoinvent database v3.9.1, system model: Allocation, cut-off by classification. Zürich, Switzerland.

KOBiZE (2024). Emission factors for CO2, SO2, NOx, CO and total dust for electricity, based on the National greenhouse gas and other substances emission database for 2023, published in December 2024.

Multicert Sp. z o.o. (2024). General Programme Instructions of the EPD Polska Programme, Warsaw, Poland.

EPD VERIFICATION

The verification procedure for this Environmental Product Declaration (EPD) has been carried out in accordance with the requirements of ISO 14025 standards. Once the verification process is complete, the EPD remains valid for a period of 5 years. There is no need to recalculate the parameters contained in the EPD after this period, provided that the data underlying the declaration have not changed substantially.

EPD CONTRIBUTORS

Manufacturer representatives	Magdalena Kawińska, Product Compliance Coordinator
EPD verifier	Izabela Sztamberek-Sochan, Ph.D.

Note: The sole ownership, liability, and liability of this declaration are with the EPD Owner. Construction product declarations may not be comparable if they do not comply with EN 15804. For detailed information on comparability, please refer to EN 15804 and ISO 14025.

EPD CERTIFICATION

Program EPD Polska Operator: MULTICERT Sp. z o.o.

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SAINT-GOBAIN

CERTIFICATE

TYPE III EPD DECLARATION

(ENVIRONMENTAL PRODUCT DECLARATION)

Reg. No. EPD-P 08.12.2025

EPD Environmental Product Declaration — EPD VERIFIED — EPD POLAND

This document confirms that the Environmental Product Declaration developed by **Saint-Gobain Construction Products Polska Sp. z o.o.** for

GypSerra® Steel profiles for drywall systems

manufactured in accordance with standards:
EN 14195 oraz EN 10346,
meets the requirements of standards **EN 15804:2012+A2:2019** and **ISO 14025**, and that the data contained therein has been prepared correctly.

The Declaration was published on December 31, 2025 and is valid until December 31, 2030, or until it is deregistered or its publication on the website www.epd.org.pl is discontinued.

Authenticity of this certificate can be confirmed in. the public register at www.epd.org.pl

Izabela Sztamberek-Sochan, Ph.D.
EPD Polska Verifier

MULTICERT JEDNOSTKA CERTYFIKACYJNA

Grzegorz Suwara
CEO Multicert Sp. z o.o.

Warsaw, December 31, 2025