



ENVIRONMENTAL PRODUCT DECLARATION

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



INTERNATIONAL EPD SYSTEM

The International EPD® System
Programme operator: EPD international AB
Registration number: EPD-IES-0026576:001



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be find the lates version of the EPD and to confirm its validity, see
www.environdec.com.

Isover ROBUST Terrace Lamella 120mm-300mm

Version date: 2025/12/18

Validity: 5 years

Validity date: 2030/12/17

EPD of multiple products, based on a
representative product



Isover, Saint-Gobain

General information

Programme information

PROGRAMME:	The International EPD® System
ADDRESS:	EPD International AB - Box 210 60 - SE-100 31 Stockholm - Sweden
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PCR information

Product Category Rules (PCR)

CEN standard EN 15804:2012 + A2:2019/AC:2021 serves as the Core Product Category Rules (PCR)

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

Complementary PCR: (c-PCR-005), 2019-12-20. Thermal insulation products (EN 16783:2017)

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 14025:2006, 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: Martin Erlandsson, Carbonzero AB

Approved by: The International EPD® System

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

Ownership and limitation on use of EPD

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

EPDs within the same product category but published in different EPD programmes may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterization factors); and be valid at the time of comparison.

Information about EPD owner

Address and contact information of the EPD owner: Saint-Gobain Denmark A/S, Isover, EPD Specialist Team (EPDNordic@saint-gobain.com)

Description of the organization of the EPD owner: Saint-Gobain Denmark A/S Isover is producing insulation solutions for roofs, walls and floors. They have one production site in Denmark: Vamdrup.

Management system-related certification: ISO 9001 (Certificate no. DK016070) ISO 14001 (Certificate no. DK016069) ISO 45001 (Certificate no. DK016071) ISO 50001 (Certificate no. DK018748)

LCA Practitioner: Amy Stockwell, Amy.Stockwell@Saint-Gobain.com

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



Product information

Product name: Isover Robust Lamella

UN CPC CODE: 37990 Non-metallic mineral products n.e.c. (including mineral wool, expanded mineral materials, worked mica, articles of mica, non-electrical articles of graphite or other carbon and articles of peat)

Manufacturing site(s): Østermarksvej 4, 6580 Vamdrup, Denmark

Visual representation of the product:

Product sizes:

120-150mm	150-180mm	180-210mm
210-240mm	240-270mm	270-300mm



Product description

Isover Robust Terrace Lamella is a specially developed lamella used for external insulation and construction of roof terraces on low-slope roofs.

The lamellas are part of a multi-roof solution, which forms the basis for the final terrace construction. The lamella ensures correct slope when the lamella sequence is followed. The lamella can be laid directly on substrates of concrete, light concrete and existing non-combustible roof surfaces (concrete or light concrete).

The production site uses natural raw materials and fusion and fiberizing techniques to produce glass wool. The products are obtained in the form of a "glass wool mat" characterized by a soft and airy structure.

For more information: <https://www.saint-gobain.dk/isover>

Technical data/physical characteristics:

TECHNICAL ASPECT	VALUE / DESCRIPTION
Thermal resistance	1 K.m ² .W ⁻¹ (UNE EN 12667)
Thermal conductivity	0.042 W/(m.K) (UNE EN 12667)
Reaction to fire	A12-s1, d0 (UNE EN 12667)
Density	70 kg/m ³

APPLICATION	VALUE / DESCRIPTION
Intended use and key functionalities	Flat Roof Insulation and Roof Terrace
Expected influence on the operational aspects and impact of	With Isover Robust Terrace Lamella movement should occur directly on the substrate during installation.

the building or other construction work Isover recommends that other traffic be limited until the roof covering is installed, as the insulation is not designed for heavy traffic. Always consider compressive strength and weight during installation.

Restrictions to a type of construction or building

None

Lifespan

50 years. When installed correctly, the product requires no maintenance and has the same lifespan as the rest of the building.

Content declaration

This EPD uses the 42 mm thickness as a reference. The content declaration is representative of this thickness.

Description of the main components and/or materials:

Quantity for 1 functional unit		2.9 kg of finished product		
Product components	Mass (kg)	Post-consumer recycled material (mass - % of product)	Biogenic material (mass - % of product)	Biogenic material (kg C/DU)
Mineral materials	90-97%	52%	0%	0
> Recycled glass	52 %	52%	0%	0
Additives	<1 %	0%	0.8%	0.02
Binder	3-10%	0%	0 %	0
Sum	100%			
Packaging materials	Mass (kg)	Mass - % (vs the product)	Biogenic material, weight- kg C/DU	
PE film	0.017	0.4 %	0	
Wooden pallet	0.59	12.5 %	0.24	

Hazardous substances

During the life cycle of the product, one or more hazardous substances listed in the “Candidate List of Substances of Very High Concern (SVHC) for authorization” have been used in a percentage higher than 0.1% of the weight of the product.

Hazardous substances from the candidate list of SVHC	Ec No.	CAS No.	Mass-% (per DU)
Glass wool	01-2119472313-44-0041	65997-17-3	90-97%

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 grave and module D
FUNCTIONAL UNIT	Providing a thermal insulation on 1 m ² of product with a thermal resistance of 1 K.m ² .W ⁻¹ and a thickness of 42 mm for 50 years.

CONVERSION FACTOR TO MASS	Density = 70 kg/m ²
SYSTEM BOUNDARIES	Cradle to grave and module D
REFERENCE SERVICE LIFE (RSL)	<p>The Reference Service Life (RSL) of the insulation product is 50 years, provided that the product is installed correctly into the building. This 50-year value is the amount of time that we recommend our products last without refurbishment and corresponds to standard building design life.</p> <p>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 the emissions to the environment occurred.</p>
CUT-OFF RULES	<p>Flows related to human activities, such as employee transport, are excluded.</p> <p>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.</p>
ALLOCATIONS	<p>Allocation has been avoided when possible, and when not possible, a mass allocation has been applied.</p> <p>The polluter pays and the modularity principles as well have been followed.</p> <p>Allocation of materials for recycling:</p> <ul style="list-style-type: none"> - Post-consumer: When a flow enters the manufacturing process (A1-A3), it is treated with waste allocation (as defined in EN15804+A2). All the steps after its “End of Waste” status are quantified. The incoming flow contributes to module D and Secondary Materials indicator. Post-consumer cullet end-of-waste state is considered to be reached after sorting at jobsite. All further transformation activities are included in the EPD. - Pre-consumer: When a flow enters the manufacturing process (A1-A3), it is considered as an incoming coproduct that bears a fraction of the impact of the original manufacturing process where it was generated (which might be 0, e.g. in case of an economic allocation with a negligible (<1%) economic value). The incoming flow does not contribute to module D nor Secondary Materials indicator. Pre-consumer cullet is considered a product with 0 impact following an economic allocation (the value of cullet is <1% of that of the glass).
DATA QUALITY ASSESSMENT	Data quality of primary and secondary data had been judged by its precision (measured, calculated, or estimated), completeness (e.g., unreported emissions), consistency (degree of uniformity of the methodology applied), and representativeness (geographical, technological, and temporal).
GEOGRAPHICAL COVERAGE AND TIME PERIOD	<p>Scope: Denmark</p> <p>Data is collected from 1 production site, Vamdrup located in Denmark.</p> <p>Data collected for the year 2024</p> <p>Guarantees of Origin are for 2025</p>
BACKGROUND DATA SOURCE	Databases Sphera CUP2024.2 and ecoinvent v.3.10
SOFTWARE	GWP100, EN 15804+A2. Version: EF 3.1, February, 2023
	Sphera LCA for experts (GaBi) 10

Data quality declaration

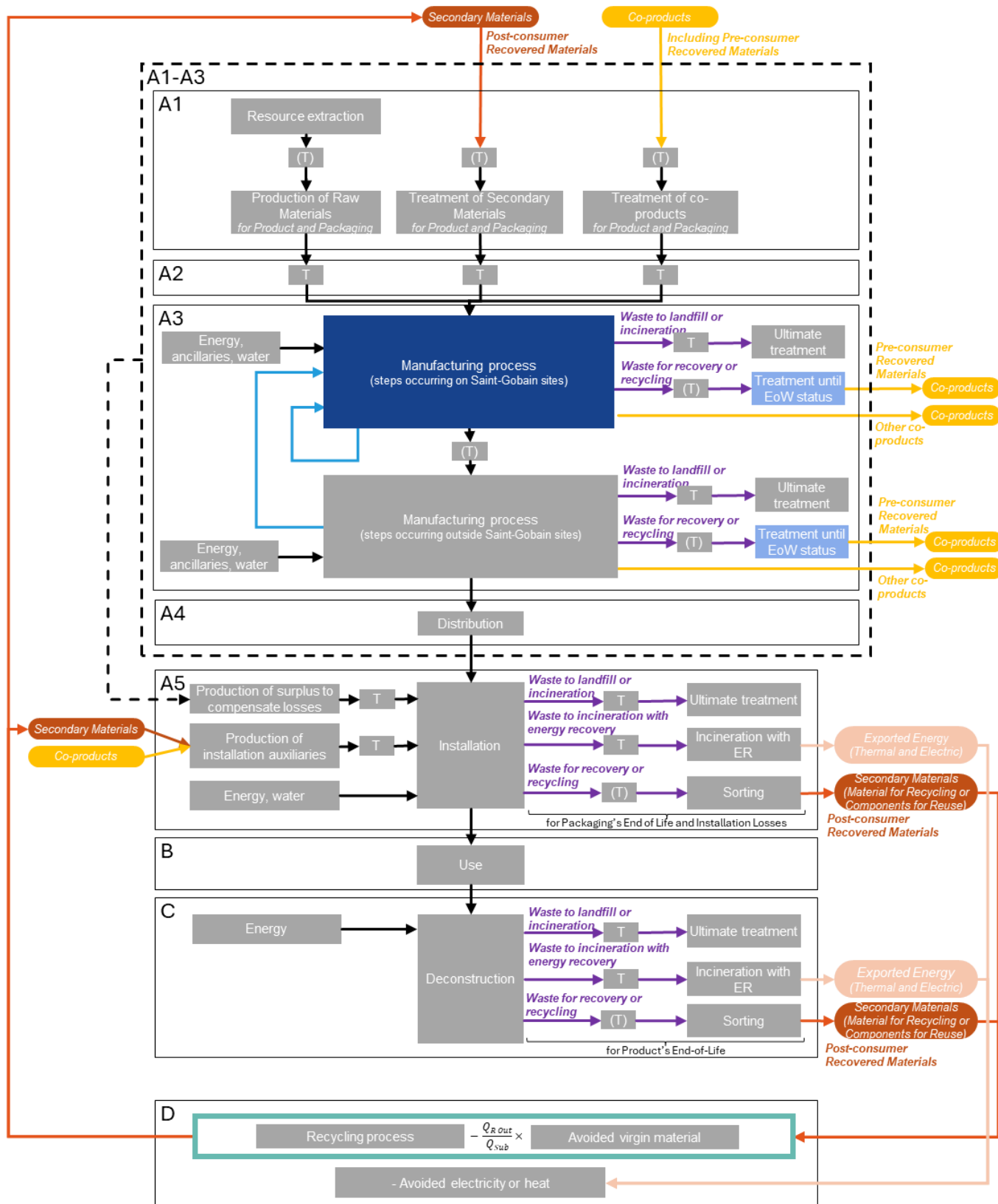
Data Collection	01/01/2024 – 31/12/2024
Sites used	Vamdrup, Denmark
Geography	Produced in Denmark Sold in Denmark Use and disposal in Denmark
Technology	Mineral wool is made from high-temperature molten material that is blown away using centrifugal force to form fine cotton-like fibers. Then, a binder is sprayed on the material to form it, and the product is heated in an oven. Hereafter, the product is cut to size and packed.
Averaging	None
LCI/LCA database	Sphera CUP2024.2 and ecoinvent v.3.10
Data Quality Scheme	EN 15804:2012+A2:2019, Annex E, Table E1
Use of Fair data with more than 30 % of a core impact	None
Use of Poor relevant data	None
Use of Very Poor relevant data	None
Comment on data quality	All datasets are considered good or very good for all factors apart from geographical representativeness. Here some datasets (~1% GHG-GWP) may be considered only fair as they are global and not Europe specific.

PROCESS	SOURCE TYPE	SOURCE	REFERENCE YEAR	DATA CATEGORY	SHARE OF PRIMARY DATA OF GWP-GHG RESULTS FOR A1-A3
Raw Material from EPD					
Raw materials	Database	Sphera 2024.2/ecoinvent 3.10	<5 years old	Secondary data	-
Packaging	Database	Sphera 2024.2/ecoinvent 3.10	<5 years old	Secondary data	-
Plant data					
Electricity	Database	Sphera 2024.2/ecoinvent 3.10	<5 years old	Primary data	1%
Emissions Specific	Collected data	EPD Owner	<5 years old	Primary data	6%
Thermal Energy	Database	Sphera 2024.2/ecoinvent 3.10	<5 years old	Primary data	23%
Transport of RM					
Transport of RM Packaging	Database	Sphera 2024.2	<5 years old	Secondary data	-
Transport of RM Product	Database	Sphera 2024.2	<5 years old	Secondary data	-
Total share of primary data					30%

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	EU	DK	DK	DK	-	-	-	-	-	-	-	DK	DK	DK	DK	DK
Specific data used	30% GWP-GHG																
Variation products	-0.2%																
Variation sites	0%																



caption

Life cycle stages

A1-A3. Product stage

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

A1. Raw materials supply

This module includes the extraction and transformation of raw materials.

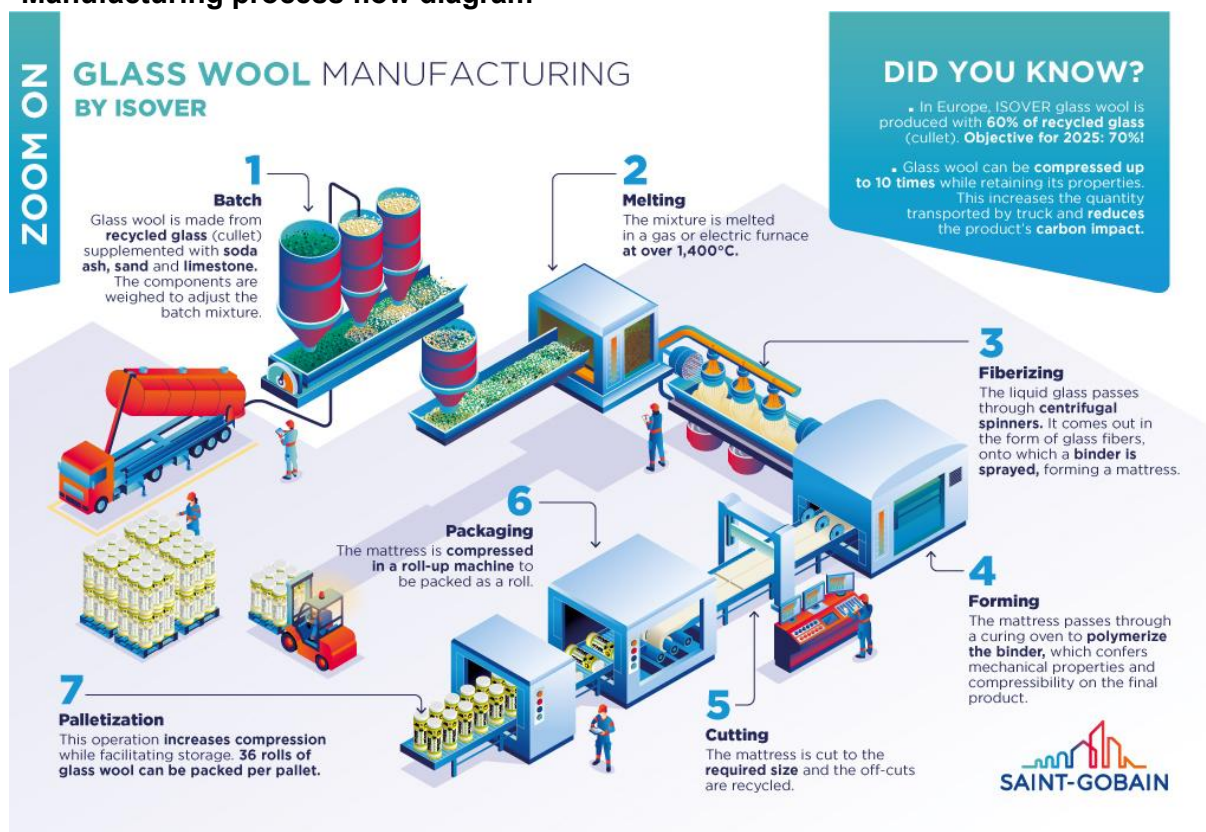
A2. Transport to the manufacturer

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

A3. Manufacturing

This module includes the manufacture of products (such as fusion, fiberizing, etc.) 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.

Manufacturing process flow diagram



Mineral wool is made from high-temperature molten glass that is blown away using centrifugal force to form fine cotton-like fibers. Then, a binder is sprayed on the material to form it, and the product is heated in an oven. Hereafter, the product is cut to size and packed.

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 / DESCRIPTION
Fuel type and consumption of vehicle or vehicle type used for transport, e.g., long-distance truck, boat, etc.	Freight truck, maximum load weight of 27 t, real load 8 t, and consumption of 0.38 liters per km
Distance	116 km by truck
Capacity utilization (including empty returns)	100% of the capacity in volume 23% of the capacity in weight 30% of empty returns
Bulk density of transported products	70 kg/m ³
Volume capacity utilization factor	1 (by default)

A5. Installation in the building

This module includes: the installation of the product, the surplus of raw materials and packaging (cradle to gate) to compensate for the loss of product during the installation, the transport and management of packaging and product waste.

Assumptions additional to that stated in PCR 2.0.1 table 4:

- A loss of 2% of the product is considered during the installation
- The wooden pallet is reused 8 times before end-of-life
- No additional accessory, water, or energy was considered for the installation of the insulation product.
- Plastic waste disposal data from Eurostat for Denmark 2002.

PARAMETER	VALUE / DESCRIPTION
Waste of materials on the building site before waste processing, generated by the product's installation (specified by type)	Product: 0.059 kg/DU Pallet: 0.59 kg/DU PE film: 0.017 kg/DU
Transport of packaging waste	Landfill: 80 km Recycling: 80 km
Output materials (specified by type) as results of waste processing at the building site, e.g., of collection for recycling, for energy recovery, disposal (specified by route)	Product losses: 0.059 kg/DU to landfill (100%) Pallet: 0.59 kg/DU to recycling (50%) and landfill (50%) PE film: 0.017kg/DU to recycling (82%), incineration with energy recovery (15%) and landfill (3%)
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 following modules and processes according to PCR 2.0.1 Table 4:

- **C1: Deconstruction, demolition.** The deconstruction and/or dismantling of the product takes part of the demolition of the entire building. In our case, the energy considered for demolition is 1.1 kWh/tonne diesel.
- **C2: Transport to landfilling:** 80km by truck
- **C3: Waste processing for reuse, recovery, and/or recycling:** 0 kg
- **C4: Waste disposal:** 2.94 kg for landfilling including physical pre-treatment, compaction and site management.

Note that the landfill dataset includes compaction of waste, but the quantity of fuel used is not specified in the documentation.

D. Reuse/recovery/recycling potential

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

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

Environmental performance

As specified in EN 15804:2012+A2:2019/AC:2021 and the Product-Category Rules, the environmental impacts are declared and reported using the baseline characterization factors based on EF 3.1. Raw materials and energy consumption, as well as transport distances have been taken directly from the manufacturing plant.

The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A3).

Disclaimer 1: The results of this environmental impact indicator shall be used with care as the uncertainties about these results are high or as there is limited experience 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).

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 m² of mineral wool with thermal resistance of 1 m².K.W⁻¹ for a thickness of 42 mm. To obtain results with different commercial thicknesses see additional information section.

Environmental Impacts

		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 total [kg CO2 eq.]	1.26E+00	6.97E-02	9.46E-01	0	0	0	0	0	0	0	1.17E-03	4.50E-02	0	7.99E-02	9.76E-01
	Climate Change (fossil) [kg CO2 eq.]	2.05E+00	6.84E-02	6.28E-02	0	0	0	0	0	0	0	1.17E-03	4.50E-02	0	4.40E-02	9.79E-01
	Climate Change (biogenic) [kg CO2 eq.]	-7.99E-01	1.88E-04	8.83E-01	0	0	0	0	0	0	0	9.42E-08	7.31E-06	0	3.56E-02	-8.01E-03
	Climate Change (land use change) [kg CO2 eq.]	7.91E-03	1.13E-03	1.48E-04	0	0	0	0	0	0	0	1.01E-07	1.47E-05	0	2.64E-04	5.02E-03
	Ozone depletion [kg CFC-11 eq.]	2.74E-06	6.76E-15	5.51E-08	0	0	0	0	0	0	0	1.78E-11	8.93E-10	0	1.19E-13	1.41E-08
	Acidification terrestrial and freshwater [Mole of H+ eq.]	1.06E-02	8.56E-05	2.74E-04	0	0	0	0	0	0	0	1.05E-05	1.41E-04	0	3.12E-04	5.27E-03
	Eutrophication freshwater [kg P eq.]	8.98E-05	2.87E-07	2.01E-06	0	0	0	0	0	0	0	4.10E-09	3.46E-07	0	1.00E-07	3.93E-05
	Eutrophication marine [kg N eq.]	3.19E-03	2.99E-05	8.22E-05	0	0	0	0	0	0	0	4.88E-06	4.71E-05	0	8.04E-05	1.35E-03
	Eutrophication terrestrial [Mole of N eq.]	2.76E-02	3.61E-04	7.60E-04	0	0	0	0	0	0	0	5.35E-05	5.15E-04	0	8.86E-04	1.30E-02
	Photochemical ozone formation - human health [kg NMVOC eq.]	8.03E-03	8.00E-05	2.42E-04	0	0	0	0	0	0	0	1.59E-05	2.20E-04	0	2.46E-04	3.57E-03
	Resource use, mineral and metals [kg Sb eq.] ¹	1.50E-04	5.72E-09	3.06E-06	0	0	0	0	0	0	0	4.16E-10	1.44E-07	0	2.85E-09	2.51E-04
	Resource use, energy carriers [MJ] ¹	3.26E+01	8.77E-01	8.57E-01	0	0	0	0	0	0	0	1.51E-02	6.33E-01	0	5.80E-01	1.24E+01
	Water deprivation potential [m³ world equiv.] ¹	1.09E+00	1.00E-03	2.87E-02	0	0	0	0	0	0	0	4.69E-05	3.71E-03	0	5.04E-03	1.95E-01









¹ The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

Resources Use


Resources Use indicators	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] ²	4.60E+01	7.41E-02	9.29E-01	0	0	0	0	0	0	0	9.38E-05	1.07E-02	0	1.01E-01	1.10E+00
 Primary energy resources used as raw materials (PERM) [MJ] ²	9.31E+00	0.00E+00	-8.62E+00	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00
 Total use of renewable primary energy resources (PERT) [MJ] ²	5.53E+01	7.41E-02	-7.69E+00	0	0	0	0	0	0	0	9.38E-05	1.07E-02	0	1.01E-01	1.10E+00
 Use of non-renewable primary energy (PENRE) [MJ] ²	2.86E+01	8.77E-01	7.78E-01	0	0	0	0	0	0	0	1.51E-02	6.33E-01	0	5.80E-01	1.35E+01
 Non-renewable primary energy resources used as raw materials (PENRM) [MJ] ²	4.62E+00	0.00E+00	-5.77E-01	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00
 Total use of non-renewable primary energy resources (PENRT) [MJ] ²	3.32E+01	8.77E-01	2.01E-01	0	0	0	0	0	0	0	1.51E-02	6.33E-01	0	5.80E-01	1.35E+01
 Use of secondary material (SM) [kg]	1.99E+00	0.00E+00	3.98E-02	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00
 Use of renewable secondary fuels (RSF) [MJ]	7.89E-29	0.00E+00	1.58E-30	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0.00E+00	1.40E-28
 Use of non-renewable secondary fuels (NRSF) [MJ]	9.27E-28	0.00E+00	1.85E-29	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0.00E+00	1.65E-27
 Use of net fresh water (FW) [m3]	3.19E-02	8.32E-05	7.98E-04	0	0	0	0	0	0	0	1.09E-06	8.63E-05	0	1.54E-04	6.05E-03

² From EPD International Construction Product PCR 2.0.1 (Annex 3). Option B was retained to calculate the primary energy use indicators.


Waste Category & Output flows

Waste Category & Output Flows	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
 Hazardous waste disposed (HWD) [kg]	4.76E-02	2.84E-11	1.39E-03	0	0	0	0	0	0	0	1.32E-05	6.17E-04	0.00E+00	1.44E-10	1.08E-02
 Non-hazardous waste disposed (NHWD) [kg]	1.35E+00	1.36E-04	1.04E-01	0	0	0	0	0	0	0	1.02E-04	3.76E-02	0.00E+00	2.94E+00	7.76E-01
 Radioactive waste disposed (RWD) [kg]	2.13E-04	1.13E-06	4.94E-06	0	0	0	0	0	0	0	1.68E-09	2.01E-07	0.00E+00	6.08E-06	2.48E-05
 Components for re-use (CRU) [kg]	0.00E+00	0.00E+00	5.23E-01	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Materials for Recycling (MFR) [kg]	0.00E+00	0.00E+00	6.81E-02	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Material for Energy Recovery (MER) [kg]	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Exported electrical energy (EEE) [MJ]	0.00E+00	0.00E+00	6.48E-02	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Exported thermal energy (EET) [MJ]	0.00E+00	0.00E+00	1.16E-01	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Additional environmental impact indicators

		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	B7 Operational water use	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
	GWP-GHG [kg CO2 eq.] ³	2.15E+00	6.92E-02	6.50E-02	0	0	0	0	0	0	0	1.16E-03	4.45E-02	0	4.42E-02	9.69E-01

Information on biogenic carbon content








		PRODUCT STAGE
Biogenic Carbon Content		A1 / A2 / A3
	Biogenic carbon content in product [kg]	0.0096
	Biogenic carbon content in packaging [kg]	0.24

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








The product contains biogenic carbon due to the binder used. Regarding packaging, biogenic carbon is quantified due to wooden pallets production.

³ This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO2 is set to zero.











Alternative End of life scenarios

Environmental indicators		Scenario 100% Landfill					Scenario 100% Recycling				
		END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	
	Climate Change total [kg CO2 eq.]	1.17E-03	4.50E-02	0	7.99E-02	9.76E-01	1.17E-03	4.50E-02	1.34E-01	0	5.72E-01
	Climate Change (fossil) [kg CO2 eq.]	1.17E-03	4.50E-02	0	4.40E-02	9.79E-01	1.17E-03	4.50E-02	9.62E-02	0	5.84E-01
	Climate Change (biogenic) [kg CO2 eq.]	9.42E-08	7.31E-06	0	3.56E-02	-8.01E-03	9.42E-08	7.31E-06	3.78E-02	0	-8.93E-03
	Climate Change (land use change) [kg CO2 eq.]	1.01E-07	1.47E-05	0	2.64E-04	5.02E-03	1.01E-07	1.47E-05	1.44E-04	0	-3.12E-03
	Ozone depletion [kg CFC-11 eq.]	1.78E-11	8.93E-10	0	1.19E-13	1.41E-08	1.78E-11	8.93E-10	1.73E-09	0	-1.08E-08
	Acidification terrestrial and freshwater [Mole of H+ eq.]	1.05E-05	1.41E-04	0	3.12E-04	5.27E-03	1.05E-05	1.41E-04	6.50E-04	0	-8.02E-04
	Eutrophication freshwater [kg P eq.]	4.10E-09	3.46E-07	0	1.00E-07	3.93E-05	4.10E-09	3.46E-07	9.55E-07	0	-1.84E-05
	Eutrophication marine [kg N eq.]	4.88E-06	4.71E-05	0	8.04E-05	1.35E-03	4.88E-06	4.71E-05	2.68E-04	0	-1.46E-04
	Eutrophication terrestrial [Mole of N eq.]	5.35E-05	5.15E-04	0	8.86E-04	1.30E-02	5.35E-05	5.15E-04	2.93E-03	0	-1.79E-04
	Photochemical ozone formation - human health [kg NMVOC eq.]	1.59E-05	2.20E-04	0	2.46E-04	3.57E-03	1.59E-05	2.20E-04	9.37E-04	0	-5.25E-04
	Resource use, mineral and metals [kg Sb eq.] ⁴	4.16E-10	1.44E-07	0	2.85E-09	2.51E-04	4.16E-10	1.44E-07	1.82E-07	0	-1.61E-04
	Resource use, energy carriers [MJ] ¹	1.51E-02	6.33E-01	0	5.80E-01	1.24E+01	1.51E-02	6.33E-01	1.52E+00	0	2.59E+00
	Water deprivation potential [m³ world equiv.] ¹	4.69E-05	3.71E-03	0	5.04E-03	1.95E-01	4.69E-05	3.71E-03	2.65E-02	0	1.52E-01











⁴ 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

Environmental indicators		Scenario 100% incineration with ER					Scenario 100% incineration w/o ER				
		END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	
	Climate Change total [kg CO2 eq.]	1.17E-03	7.31E-02	0	5.58E-01	9.76E-01	1.17E-03	7.31E-02	0.00E+00	5.58E-01	9.76E-01
	Climate Change (fossil) [kg CO2 eq.]	1.17E-03	7.31E-02	0	5.23E-01	9.79E-01	1.17E-03	7.31E-02	0.00E+00	5.23E-01	9.79E-01
	Climate Change (biogenic) [kg CO2 eq.]	9.42E-08	1.19E-05	0	3.55E-02	-8.01E-03	9.42E-08	1.19E-05	0.00E+00	3.55E-02	-8.01E-03
	Climate Change (land use change) [kg CO2 eq.]	1.01E-07	2.39E-05	0	1.45E-04	5.02E-03	1.01E-07	2.39E-05	0.00E+00	1.45E-04	5.02E-03
	Ozone depletion [kg CFC-11 eq.]	1.78E-11	1.45E-09	0	1.42E-09	1.41E-08	1.78E-11	1.45E-09	0.00E+00	1.42E-09	1.41E-08
	Acidification terrestrial and freshwater [Mole of H+ eq.]	1.05E-05	2.28E-04	0	1.17E-03	5.27E-03	1.05E-05	2.28E-04	0.00E+00	1.17E-03	5.27E-03
	Eutrophication freshwater [kg P eq.]	4.10E-09	5.62E-07	0	1.01E-06	3.93E-05	4.10E-09	5.62E-07	0.00E+00	1.01E-06	3.93E-05
	Eutrophication marine [kg N eq.]	4.88E-06	7.65E-05	0	5.44E-04	1.35E-03	4.88E-06	7.65E-05	0.00E+00	5.44E-04	1.35E-03
	Eutrophication terrestrial [Mole of N eq.]	5.35E-05	8.37E-04	0	6.00E-03	1.30E-02	5.35E-05	8.37E-04	0.00E+00	6.00E-03	1.30E-02
	Photochemical ozone formation - human health [kg NMVOC eq.]	1.59E-05	3.58E-04	0	1.57E-03	3.57E-03	1.59E-05	3.58E-04	0.00E+00	1.57E-03	3.57E-03
	Resource use, mineral and metals [kg Sb eq.] ⁵	4.16E-10	2.33E-07	0	2.13E-07	2.51E-04	4.16E-10	2.33E-07	0.00E+00	2.13E-07	2.51E-04
	Resource use, energy carriers [MJ] ¹	1.51E-02	1.03E+00	0	1.51E+00	1.24E+01	1.51E-02	1.03E+00	0.00E+00	1.51E+00	1.24E+01
	Water deprivation potential [m³ world equiv.] ¹	4.69E-05	6.03E-03	0	8.67E-02	1.95E-01	4.69E-05	6.03E-03	0.00E+00	8.67E-02	1.95E-01









⁵ The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator









Resources Use indicators		Scenario 100% Landfill					Scenario 100% recycling				
		END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	
 Use of renewable primary energy (PERE) [MJ] ⁶		9.38E-05	1.07E-02	0	1.01E-01	1.10E+00	9.38E-05	1.07E-02	2.46E-02	0	2.31E+00
 Primary energy resources used as raw materials (PERM) [MJ] ²		0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00
 Total use of renewable primary energy resources (PERT) [MJ] ²		9.38E-05	1.07E-02	0	1.01E-01	1.10E+00	9.38E-05	1.07E-02	2.46E-02	0	2.31E+00
 Use of non-renewable primary energy (PENRE) [MJ] ²		1.51E-02	6.33E-01	0	5.80E-01	1.35E+01	1.51E-02	6.33E-01	1.52E+00	0	1.83E+00
 Non-renewable primary energy resources used as raw materials (PENRM) [MJ] ²		0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00
 Total use of non-renewable primary energy resources (PENRT) [MJ] ²		1.51E-02	6.33E-01	0	5.80E-01	1.35E+01	1.51E-02	6.33E-01	1.52E+00	0	1.83E+00
 Use of secondary material (SM) [kg]		0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00
 Use of renewable secondary fuels (RSF) [MJ]		0.00E+00	0.00E+00	0	0.00E+00	1.40E-28	0.00E+00	0.00E+00	0.00E+00	0	-9.29E-29
 Use of non-renewable secondary fuels (NRSF) [MJ]		0.00E+00	0.00E+00	0	0.00E+00	1.65E-27	0.00E+00	0.00E+00	0.00E+00	0	-1.09E-27
 Use of net fresh water (FW) [m3]		1.09E-06	8.63E-05	0	1.54E-04	6.05E-03	1.09E-06	8.63E-05	6.17E-04	0	3.01E-03

⁶ From EPD International Construction Product PCR 2.0.1 (Annex 3). Option B was retained to calculate the primary energy use indicators.

Resources Use indicators	Scenario 100% incineration with ER					Scenario 100% incineration w/o ER				
	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	
 Use of renewable primary energy (PERE) [MJ] ⁷	9.38E-05	1.74E-02	0	5.70E-02	1.10E+00	9.38E-05	1.74E-02	0.00E+00	5.70E-02	1.10E+00
 Primary energy resources used as raw materials (PERM) [MJ] ²	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Total use of renewable primary energy resources (PERT) [MJ] ²	9.38E-05	1.74E-02	0	5.70E-02	1.10E+00	9.38E-05	1.74E-02	0.00E+00	5.70E-02	1.10E+00
 Use of non-renewable primary energy (PENRE) [MJ] ²	1.51E-02	1.03E+00	0	1.51E+00	1.35E+01	1.51E-02	1.03E+00	0.00E+00	1.51E+00	1.35E+01
 Non-renewable primary energy resources used as raw materials (PENRM) [MJ] ²	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Total use of non-renewable primary energy resources (PENRT) [MJ] ²	1.51E-02	1.03E+00	0	1.51E+00	1.35E+01	1.51E-02	1.03E+00	0.00E+00	1.51E+00	1.35E+01
 Use of secondary material (SM) [kg]	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 Use of renewable secondary fuels (RSF) [MJ]	0.00E+00	0.00E+00	0	0.00E+00	1.40E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-28
 Use of non-renewable secondary fuels (NRSF) [MJ]	0.00E+00	0.00E+00	0	0.00E+00	1.65E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-27
 Use of net fresh water (FW) [m3]	1.09E-06	1.40E-04	0	2.03E-03	6.05E-03	1.09E-06	1.40E-04	0.00E+00	2.03E-03	6.05E-03

⁷ From EPD International Construction Product PCR 2.0.1 (Annex 3). Option B was retained to calculate the primary energy use indicators.

Waste Category & Output Flows	Scenario 100% landfill					Scenario 100% recycling				
	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal		C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	
 Hazardous waste disposed (HWD) [kg]	1.32E-05	6.17E-04	0.00E+00	1.44E-10	1.08E-02	1.32E-05	6.17E-04	1.89E-03	0.00E+00	3.93E-04
 Non-hazardous waste disposed (NHWD) [kg]	1.02E-04	3.76E-02	0.00E+00	2.94E+00	7.76E-01	1.02E-04	3.76E-02	2.94E+00	0.00E+00	5.40E-02
 Radioactive waste disposed (RWD) [kg]	1.68E-09	2.01E-07	0.00E+00	6.08E-06	2.48E-05	1.68E-09	2.01E-07	3.79E-07	0.00E+00	2.91E-04
 Components for re-use (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
 Materials for Recycling (MFR) [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+00	0.00E+00	0.00E+00
 Material for Energy Recovery (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
 Exported electrical energy (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
 Exported thermal energy (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

Waste Category & Output Flows	Scenario 100% incineration with ER					Scenario 100% incineration w/o ER				
	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE	END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE LIFE CYCLE
	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling	C1 Deconstruction / demolition	C2 Transport	C3 Waste processing	C4 Disposal	D Reuse, recovery, recycling
 Hazardous waste disposed (HWD) [kg]	1.32E-05	1.00E-03	0.00E+00	2.94E-03	1.08E-02	1.32E-05	1.00E-03	0.00E+00	2.94E-03	1.08E-02
 Non-hazardous waste disposed (NHWD) [kg]	1.02E-04	6.11E-02	0.00E+00	2.94E+00	7.76E-01	1.02E-04	6.11E-02	0.00E+00	2.94E+00	7.76E-01
 Radioactive waste disposed (RWD) [kg]	1.68E-09	3.26E-07	0.00E+00	5.88E-06	2.48E-05	1.68E-09	3.26E-07	0.00E+00	5.88E-06	2.48E-05
 Components for re-use (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
 Materials for Recycling (MFR) [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
 Material for Energy Recovery (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
 Exported electrical energy (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
 Exported thermal energy (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

Electricity information

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

The factory uses electricity with Guarantee of Origin certificate (GO).

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

TYPE OF INFORMATION	DESCRIPTION
Location	Representative of the Guarantee of Origin purchased by Saint-Gobain
Share of electricity covered by the Guarantee of Origin	100% of the energy consumption is covered by the GO
Energy sources for electricity	Hydro 100% 2% transmission losses
Dataset version	Sphera CUP2024.2
Source	Guarantee of Origin certificate: 2025-04-01
GWP-GHG CO ₂ eq.	0.006 kg of CO ₂ eq./kWh

An EPD is valid for 5 years. Therefore, the GO will be prolonged continuously to be valid for the whole validity of the EPD. If not prolonged, the EPD will be updated.

Biogas information

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

The raw materials used for biogas production vary throughout the year. None of the raw materials used for biogas production is a secondary fuel because the generic co-product allocation approach in module A1-3 is used as the allocation approach in the manufacturing process. For this reason, the energy resource use is reported in the LCA as a primary resource (and not secondary fuel). The allocation then needs to consider the very low value of the co-products used for the biogas as just a few percentages compared to the main products (no exact figures are available). Specific data for all those processes are not available (and not required by RED). The most representative LCA data applicable for this biogas production considers the EN 15804 economical allocation approach.

TYPE OF INFORMATION	DESCRIPTION
Location	Representative of the Guarantee of Origin purchased by Saint-Gobain
Share of electricity covered by the Guarantee of Origin	100% of the energy consumption is covered by the GO
Energy sources for biogas	Variety
Dataset version	Sphera CUP2024.2
Source	Guarantee of Origin certificate: provided monthly
GWP-GHG CO ₂ eq.	0.11 kg of CO ₂ eq./kWh

An EPD is valid for 5 years. Therefore, the GO will be prolonged continuously to be valid for the whole validity of the EPD. If not prolonged, the EPD will be updated.

Additional environmental information:

Conversion to specific thicknesses

This EPD® includes the range of products with different thicknesses between 120 mm and 300 mm. A multiplication factor can be applied to obtain the environmental performance of every thickness. All the results of this EPD® refer to the reference thickness of 42 mm with a value of $R = 1 \text{ m}^2\text{K/W}$.

To obtain the environmental performance associated with every specific thickness, the results expressed in this EPD® must be multiplied by its corresponding multiplication factor. The calculation of the conversion factor is based on the product thickness (and hence weight).

PRODUCT NAME	THICKNESS (MM)	MULTIPLICATION FACTOR TO MASS (KG/DU)
Robust Terrace Lamella 120 - 150	120-150	3.21
Robust Terrace Lamella 150 - 180	150-180	3.93
Robust Terrace Lamella 180 - 210	180-210	4.64
Robust Terrace Lamella 210 - 240	210-240	5.36
Robust Terrace Lamella 240 - 270	240-270	6.07
Robust Terrace Lamella 270 - 300	270-300	6.79

Other additional environmental information

No additional information displayed.

Additional social and economic information

No additional information displayed.

Version history

Version 1

Abbreviation

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
LCIA	Life Cycle Impact Assessment
MJ	Mega Joules (as Net Calorific Value)
$\text{m}^2\cdot\text{K/W}$	kilowatt per square meter

PCR	Product Category Rules
RSL	Reference Service Life (in years)
ton	metric ton
W/(m.K)	Watts per meter-Kelvin
GWP	Global warming potential
GWP-GHG	Global warming potential - Greenhouse gas
GHG	Greenhouse gas
GO	Guaranty of origin
AIB	Association of issuing bodies
IOBC	Instantaneous Oxidation of Biogenic Carbon
EF	Environmental footprint

References

- ISO 14040:2006 Environmental Management - Life Cycle Assessment - Principles and framework.
- ISO 14044:2006 Environmental Management - Life Cycle Assessment - Requirements and guidelines.
- ISO 14025:2006 Environmental labels and Declarations - Type III Environmental Declarations - Principles and procedures.
- EN 15804:2012+A2:2019/AC:2021 - Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products.
- EN 15941 Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data
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