ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 and EN 15804 for:

[Solid Door Unit]

From

[Clestra Hauserman (Taicang) Products Architectural Co., Ltd.]

Declared product: Solid Door Unit

Programme operator:	EPD China
Registration number:	EPD-CN-00024
Issued date:	2025-07-22
Valid until:	2030-07-21

Programme Information

EPD Owner	Clestra Hauserman (Taicang) Architectural Products Co., Ltd. Contact: Steven Zuo s.zuo@clestra.cn 008613816898396 Website: https://www.clestra.com/cn/ Address:Building 3, No.199 Wuyang Road,Chengxiang Town,Taicang City, Jiangsu Province
Product Name	Solid Door Unit
Production Site	Building 3, No.199 Wuyang Road,Chengxiang Town,Taicang City, Jiangsu Province
Identification of product	UNCPC code:421 Structural metal products and parts thereof
Field of Application	Widely used in the fields of industrial and commercial construction
Programme Operator	EPD China Address of Headquarter: Tianping Road, Xuhui District, Shanghai Website: www.epdchina.cn Email: info@epdchina.cn | secretary@epdchina.cn
LCA Practitioner	Steven Zuo, Clestra Hauserman (Taicang) Architectural Products Co., Ltd., s.zuo@clestra.cn James.Zhang,Shanghai Tanlian Technology Co., Ltd.,James.zhang@vecarbon.com
Responsibility	The EPD owner has the sole ownership, liability, and responsibility for the EPD
Comparability	EPDs within same category of product in different programme operator are not suggested to be compared. Full conformance with a PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible even applying the same PCR.
Liability	The EPD owner has the sole ownership, liability, and responsibility for the EPD.
Validity	The EPD is published on 2025-07-22 and valid to2030-07-21
LCA Software (version)	Simapro9.6
LCI Dataset (version)	Ecoinvent3.10
Year(s) of Primary Data	March 1, 2024, to February 28, 2025
PCR	EPDCN-PCR-202204 PCR for construction products and construction services Version number: V2.1
Other Reference Document	EN 15804:2012+A2:2019/AC:2021, Sustainability of construction works-Environmental product declarations - Core rules for the product category of construction products
Verification statement according EN15804	
Independent verification of the declaration and data according to EN ISO 14025:2010 ☐ internal ☑ external Third-party institution verification: <Ying Su, CTI Certification Co., Ltd> is an approved certification body accountable for third-party verification Approved by: EPD China	

Procedure for follow-up of data during EPD validity involves a third-party certification body:

☐ Yes ☑ No

General Information

1.1 Company information

- Owner of the EPD:

Clestra Hauserman (Taicang) Architectural Products Co., Ltd.

- Contact:

Steven Zuo s.zuo@clestra.cn

- Name and location of production site(s):

Building 3, No.199 Wuyang Road,Chengxiang Town,Taicang City, Jiangsu Province

- Brief description of the company:

Clestra Hauserman (Taicang) Architectural Products Co., Ltd. is a company founded on April 21, 2010. The factory was located at Building 3, Xiangchuang Intelligent Manufacturing Industrial Park, No.199 Wuyang Road, Chengxiang Town, Taicang City.

Clestra Hauserman (Taicang) Architectural Products Co., Ltd. belongs to the partition industry and operates on a production and processing business model. The registered capital is 1 million RMB, the company was registered in 2010, and the legal representative is KIM SEONG JOONG. The company is located in Suzhou City, Jiangsu Province.

Clestra Hauserman (Taicang) Architectural Products Co., Ltd. has the brand "Clestra," under its umbrella, and its products include partitions, fixed partitions, movable partitions, etc. The company adheres to the business philosophy of "customer first, keen to progress," providing customers with high-quality products and services.

1.2 Scope and type of EPD

In this section, it is suggested to include but not limited to following information:

- Description of system boundaries:

Cradle to Grave (A1-A5,B1-B7, C1-C4, D).

- System diagram:

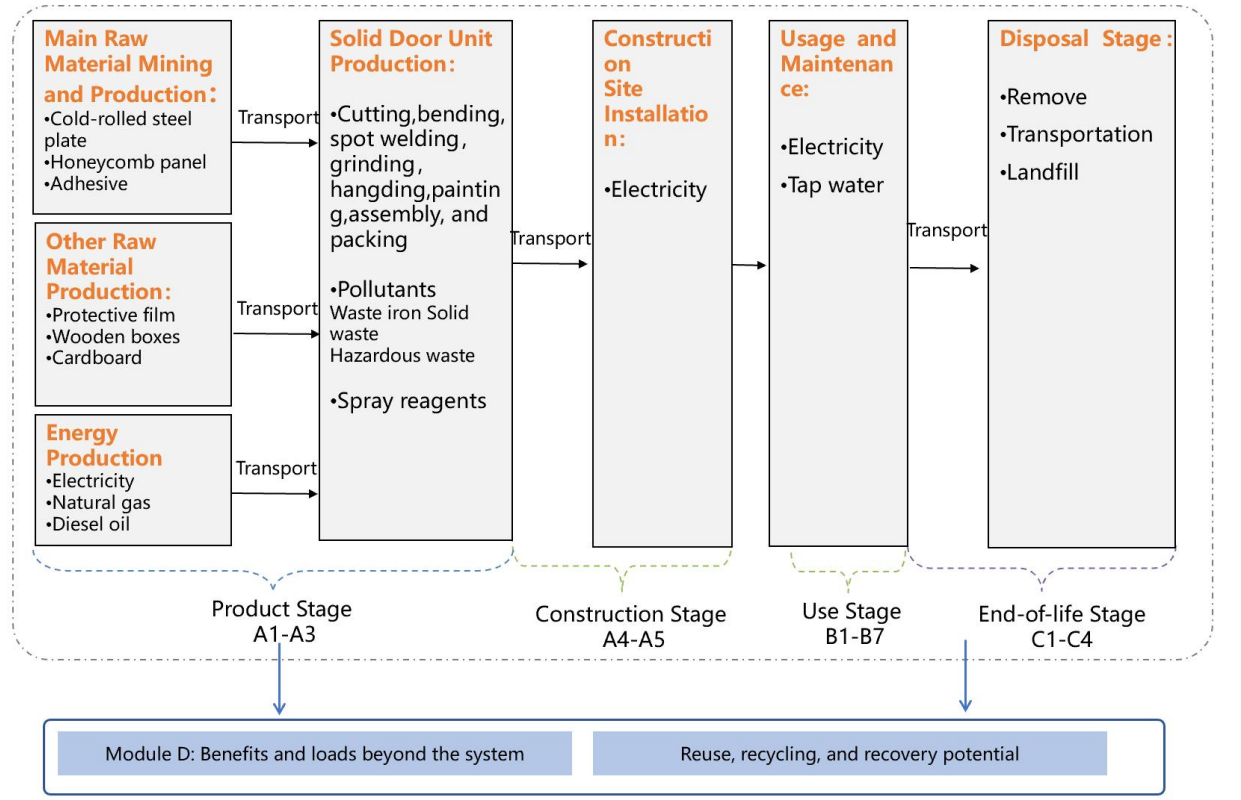

Table Division and explanation of life cycle stages

EN15804	Life Cycle Stage	Corresponding Information Requirements
Product stage (A1-A3)	Al Raw material extraction and processing, processing of secondary material input (e.g. recycling processes)	It includes provision of all materials, products and energy, as well as waste processing up to the end-of waste state or disposal of final residues during the product stage. Module A1, A2 and A3 may be declared as one aggregated module A1-A3.
	A2 Transport to the manufacturer	
	A3 Manufacturing	
Construction process stage (A4-A5)	A4 Transport to the building site	It includes provision of all materials, products and energy, as well as waste processing up to the end-of waste state or disposal of final residues during the construction process stage. These information modules also include all impacts and aspects related to any losses during this construction process stage (i.e production, transport, and waste processing and disposal of the lost products and materials).
	A5 Installation into the building	
Use stage related to the building fabric (B1-B5)	B1 Use or application of the installed product	It includes provision and transport of all materials, products and related energy and water use, as well as. waste processing up to the end-of-waste state or disposal of final residues during this part of the use stage. These information modules also include all impacts and aspects related to the losses during this part of the use stage (i.e. production, transport, and waste processing and disposal of the lost products and materials).
	B2 Maintenance	
	B3 Repair	
	B4 Replacement	
	B5 Refurbishment	

Use stage related to the operation of the building (B6-B7)	B6 Operational energy use	These information modules include provision and transport of all materials, products, as well as energy and water provisions, waste processing up to the end-of-waste state or disposal of final residues during this part of the use stage.
	B7 Operational water use	
End-of-life stage (C1-C4)	C1 De-construction, demolition	These information modules include provision and all transport, provision of all materials, products and related energy and water use.
	C2 Transport to waste processing	
	C3 Waste processing for reuse, recovery and/or recycling	
	C4 Disposal	
D Benefits and loads beyond the system boundary	D Reuse, recovery and/or recycling potentials, expressed as net impacts and benefits	/

Table: Process stages and EPD modules.

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITSAND LOADSBEYOND THESYSTEM BOUNDARIES
Raw material supply	**Transport**	**Production**	**Transport from the gate to the**	**Assembly**	**Use**	**Maintenance**	**Repair**	**Replacement**	**Refurbishment**	**Operational energy use**	**Operational water use**	**Deconstruction/ demolition**	**Transport**	**Waste processing**	**Disposal**	**reuse- recovery- recycling- potential**
A1	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

2 Detailed Product Description

Description of the product

The solid door unit is a common building material with a wide range of applications. It is widely used in residential, commercial, and industrial buildings, especially in areas with high requirements for safety, durability, and fire resistance, such as hospitals, schools, factories, and office buildings. There is a rich variety of solid door units available, including solid door units, solid door units with glass, and specially designed fire-resistant doors. Depending on different usage requirements and environmental conditions, various types of solid door units can be selected. In addition, the solid door unit has a long service life, generally lasting for about 20 to 30 years.

Figure: Picture of the declared product.

- Description of the production processes

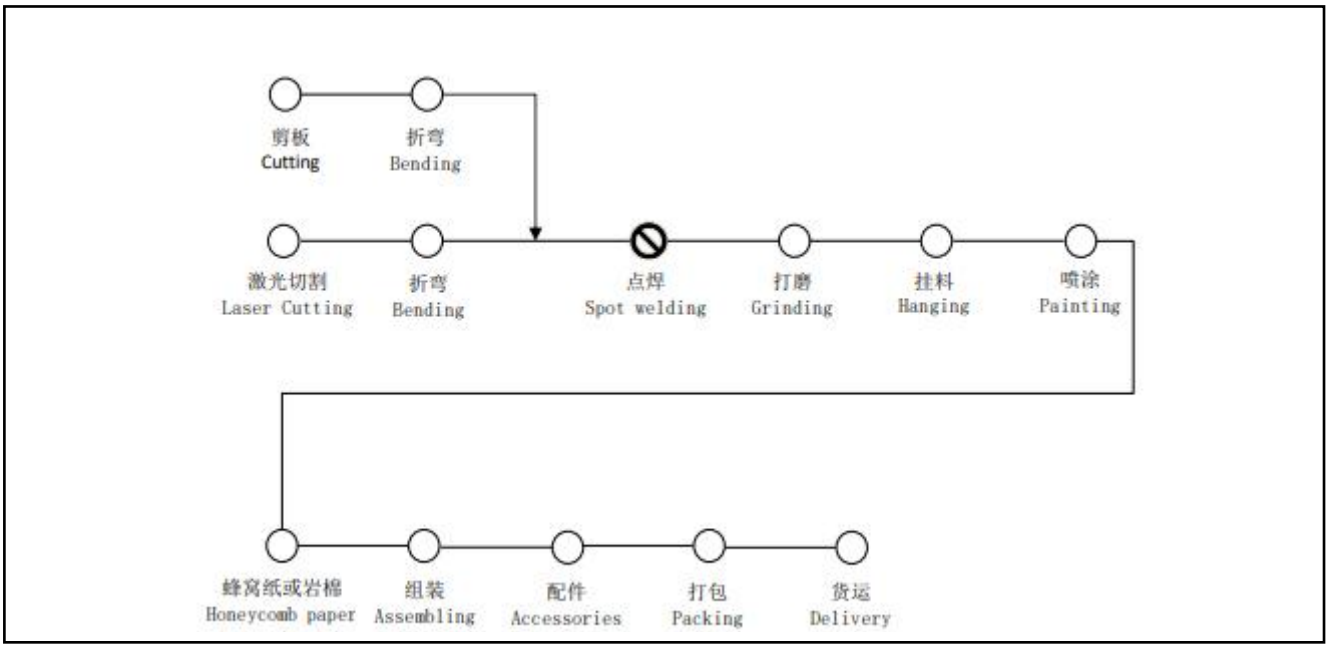

Figure: The production process in selected stages.

- Product components

Table: Main product components and packaging materials per unit.

Product components	Weight, kg	Weight-% (versus the product)
Cold-rolled steel plate	14.758	89.44%
Honeycomb panel	1.013	6.14%
Adhesive	0.442	2.68%
Spray reagents	0.287	1.74%
Total	16.5	100.00%
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**
Protective film	0.061	0.37%
Wooden boxes	0.87	5.27%
Cardboard	0.07375	0.45%
Total	1.0048	6.09%

Products do not contain any substances that can be included in “Candidate List of Substances of Very High Concern for Authorization” and raw materials used are not part of the EU REACH regulation.

3 LCA results according to EN 15804

3.1 Environmental Impacts

The results of the underlying LCA is provided in this section as environmental impacts, resource use, output flows and additional information on biogenic carbon. All pre-set parameters of EN 15804 are required.

Table: Environmental impacts according to EN 15804.

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT per declared unit																		
Core indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Potential total (GWP-total)	[kg CO_2 eq.]	4.85E+01	2.09E-01	1.72E+00	2.90E+00	6.26E-01	0.00E+00	2.64E-02	5.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02	3.23E-01	0.00E+00	2.20E-02	-3.18E+01
Global Warming Potential fossil fuels (GWP-fossil)	[kg CO_2 eq.]	4.53E+01	2.09E-01	1.55E+00	2.89E+00	1.29E-01	0.00E+00	2.63E-02	5.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-02	3.23E-01	0.00E+00	2.19E-02	-3.16E+01
Global Warming Potential biogenic (GWP-biogenic)	[kg CO_2 eq.]	1.13E+00	2.62E-06	1.68E-01	6.56E-03	2.11E+00	0.00E+00	7.93E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	4.04E-06	0.00E+00	4.23E-01	-1.44E-01
Climate change - land use and change in land use	[kg CO_2 eq.]	2.31E-02	8.31E-05	7.72E-04	1.34E-03	5.34E-06	0.00E+00	3.21E-05	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	1.28E-04	0.00E+00	1.10E-05	-5.15E-03
Depletion potential of the stratospheric ozone layer (ODP)	[kg CFC 11 eq.]	1.56E-07	2.92E-09	6.94E-09	4.15E-08	4.83E-10	0.00E+00	3.77E-09	3.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-10	4.51E-09	0.00E+00	1.51E-09	-3.66E-15
Acidification potential, Accumulated Exceedance (AP)	[mol H+ eq.]	1.39E-01	6.98E-04	7.41E-03	7.48E-02	7.43E-04	0.00E+00	1.38E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	1.08E-03	0.00E+00	1.61E-04	-8.02E-02
Eutrophication potential, fraction of nutrients reaching freshwater end compartment (EP-freshwater)	[kg P eq.]	1.86E-03	1.64E-05	2.87E-04	1.04E-04	1.32E-05	0.00E+00	1.07E-05	8.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-06	2.53E-05	0.00E+00	1.84E-06	-1.34E-05
Formation potential of tropospheric ozone (POCP)	[kg NMVOC eq.]	1.01E-01	9.70E-04	4.63E-03	5.74E-02	3.56E-04	0.00E+00	8.64E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.50E-03	0.00E+00	2.32E-04	-5.29E-02
Abiotic depletion potential for non-fossil resources (ADP-minerals&metals)	[kg Sb eq.]	5.84E-05	6.69E-07	6.20E-06	3.52E-06	4.24E-08	0.00E+00	1.20E-07	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	1.03E-06	0.00E+00	3.57E-08	-1.79E-05
Abiotic depletion potential for fossil resources (ADP-fossil)	MJ, net calorific value	4.39E+02	2.93E+00	1.66E+01	0.00E+00	0.00E+00	0.00E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E+00	0.00E+00	4.82E-01	-3.35E+02
Water (user) deprivation potential, deprivation-weighted water consumption (WDP)	[m^3 world eq. Deprived]	1.17E+02	1.60E-02	1.84E-01	3.38E-02	9.75E-03	0.00E+00	1.29E+00	7.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	2.47E-02	0.00E+00	2.15E-02	-9.56E+01

3.2 Resource use and waste categories

Table: Resource use and waste categories according to EN 15804.

RESULTS OF THE LCA - Resource use and waste categories per declared unit																		
Core indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Use of renewable primary energy excluding renewable primary energy resources used as raw materials (PERE)	MJ	6.73E+01	3.85E-02	9.49E-01	2.80E-01	5.08E-02	0.00E+00	3.72E-02	4.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02	5.94E-02	0.00E+00	5.02E-03	-7.05E+00
Use of renewable primary energy resources used as raw materials (PERM)	MJ	2.30E+01	0.00E+00	0.00E+00	0.00E+00	-2.87E+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	-2.01E+01	0.00E+00
Total use of renewable primary energy resources (PERT) (primary energy and primary energy resources used as raw materials)	MJ	9.03E+01	3.85E-02	9.49E-01	2.80E-01	-2.82E+00	0.00E+00	3.72E-02	4.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-02	5.94E-02	0.00E+00	5.02E-03	-7.05E+00
Use of non-renewable primary energy excluding non- renewable primary energy resources used as raw materials (PENRE)	MJ	4.39E+02	2.93E+00	1.66E+01	1.92E-03	8.91E-03	0.00E+00	3.35E-01	8.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	4.53E+00	0.00E+00	4.82E-01	-3.35E+02
Use of non-renewable primary energy resources used as raw materials (PENRM)	MJ	2.87E+00	0.00E+00	0.00E+00	0.00E+00	-2.87E+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	0.00E+00
Total use of non-renewable primary energy resources (PENRT) (primary energy and primary energy resources used as raw materials)	MJ	4.42E+02	2.93E+00	1.66E+01	1.92E-03	-2.86E+00	0.00E+00	3.35E-01	8.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	4.53E+00	0.00E+00	4.82E-01	-3.35E+02
Use of secondary material (SM)	kg	8.65E-03	1.32E-03	2.24E-03	0.00E+00	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	0.00E+00	1.21E-04	0.00E+00
Use of renewable secondary fuels (RSF)	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels (NRSF)	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water (FW)	m3	5.90E+00	3.91E-04	4.84E-03	1.34E-03	2.57E-04	0.00E+00	3.00E-02	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	6.04E-04	0.00E+00	5.05E-04	-4.84E+00

Hazardous waste disposed (HWD)	kg	2.59E-01	5.14E-03	1.73E-01	3.60E-02	2.35E-03	0.00E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-03	0.00E+00	5.36E-04	0.00E+00
Non-hazardous waste disposed (NHWD)	kg	6.19E+00	9.66E-02	1.58E+00	2.66E-01	2.31E+00	0.00E+00	5.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-01	0.00E+00	1.23E-02	0.00E+00
Radioactive waste disposed (RWD)	kg	3.10E-05	5.90E-07	3.50E-05	0.00E+00	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-07	0.00E+00	7.50E-08	0.00E+00
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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling(MR)	kg	6.45E-04	2.16E-05	3.88E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	2.10E-06	0.00E+00
Materials for energy recovery (MER)	kg	2.45E-06	1.89E-07	5.39E-07	0.00E+00	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	0.00E+00	9.45E-09	0.00E+00
Exported energy (EE)	MJ	2.62E-02	6.44E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	4.82E-05	0.00E+00

3.3 Information on biogenic carbon content

Information on biogenic carbon content which shall be included in the EPD as follows:

Biogenic carbon content	Unit (expressed per functional unit or per declared unit)
Biogenic carbon content in product	0.42336 kg C
Biogenic carbon content in accompanying packaging	0.440141 kg C
NOTE：1 kg biogenic carbon is equivalent to 44/12 kg of CO_2.	

4 Supplementary information

4.1 Calculation rules

- Declared unit:

1m² Solid door unit

- The mass of declared unit:

16.5 kg

- Assumptions:

(1)Construction process stage (A4-A5): The energy consumption data for the construction stage is assumed based on experience;

(2)Use stage (B1-B7): The energy and resource consumption data for the use stage is assumed based on experience;

(3)End of life stage (C1-C4): After the product is used, it is demolished and transported to the waste disposal site. The corresponding transportation data is assumed based on experience. The treatment methods for metal products, rubber products, and packaging materials are all reasonable assumptions made according to the product characteristics and recycling methods.

- Cut off rules:

The threshold for substance set in this report is 1%. The exclusion threshold for individual material flows is 0.1%, and the total exclusion should not exceed 1% of the total mass. However, any toxic and harmful materials and substances should be included in the inventory, and this report should not be overlooked. Due to some processes that may have environmental impacts, the corresponding processes will be excluded when the following situations occur.

(1) There is no appropriate accounting and quantification method;

(2) Although the quantification process is feasible, it does not conform to economic benefits, and the mass accounts for less than 0.1% of the total mass.

The processes excluded in this report include:

The construction process (A3) does not involve the use of circulating cooling water, so the water consumption of the product production process is not considered.

3.1.5 Assumptions

- Data quality:

Specific data on material and energy usage have been collected for the product life cycle. These data are provided by Clestra Hauserman (Taicang) Architectural Products Co., Ltd. and use real production data from March 1, 2024, to February 28, 2025.

In addition, the environmental impact data for the general data of resource consumption and energy consumption per 1m^2 solid door unit product have been collected. These data come from the Ecoinvent database, version 3.10.

No alternative data were used in this study.

This study uses Ecoinvent 3.10 as the reference database because it is consistent with the input streams of materials and energy in the following aspects:

Technological equivalence: the data derives from the same physical and chemical processes, or at least the same technological coverage.

Limits towards nature: the data contains all the quantitative information necessary for the LCA and EPD.

Limits towards technical systems: the considered stages of the life cycle are equivalent.

Data processing and analysis are carried out in accordance with international standards ISO 14025, ISO 14040,

ISO 14044, ISO 21930, and EN 15804:2012 + A2:2019.

- Allocations：

The consumption of electricity, diesel, natural gas, and pollutant emissions in the solid door unit production process all involve allocation.

The factory produces a variety of products, mainly including solid door unit, steel door, solid panel partition, and frameless double-glazed doors. These products are all produced in the same production workshop at different times, but since the factory has not statistically measured the energy consumption and pollutant emissions at different times, the energy consumption and pollutant emissions of the target unit product in this report are allocated by mass. That is to say:

Electricity consumption per 1m^2 product = weight of 1m^2 product * total electricity consumption during the statistical period / total production of the factory during the statistical period;

Natural gas consumption per 1m^2 product = weight of 1m^2 product * total natural gas consumption during the statistical period / total production of the factory during the statistical period;

Diesel consumption per 1m^2 product = weight of 1m^2 product * total diesel consumption during the statistical period / total production of the factory during the statistical period;

Pollutant generation per 1m^2 product = weight of 1m^2 product * generation quantity of a certain pollutant during the statistical period / total production of the factory during the statistical period;

This report does not involve the allocation of co-products or by-products.

4.2 Scenarios and additional technical information

In this section, it is suggested to include but not limited to following information:

EN15804	Life Cycle Stage
Product stage (A1-A3)	A1: Raw material extraction and processing(Cold-rolled steel plate, honeycomb panel, adhesive, spray reagents, etc.)
	A2: Raw material transportation（Transport to the Clestra, the transport type, mass and distance are modelled according to the primary data）
	A3: Manufacturing(Consuming electricity, natural gas and diesel oi, generated pollutants according to the primary data)
Construction process stage(A4-A5)	A4: Transport to the building site (Truck and sea transport, the transport type, mass and distance are modelled according to the primary data)
	A5: Installation into the building(Only consuming electricity 0.05kWh, and the transportation of waste generated during installation and construction (A5) are 100km.According to public information assumptions, the landfill, incineration, and recycling disposal ratios of plastic, cardboard, and wooden box packaging materials are 40%, 30% and 30%, respectively.)
Use stage related to the building fabric (B1-B5)	B1: Use or application of the installed product(Not consuming energy and resources)
	B2: Maintenance(Assuming based on experience, 30kg of tap water is consumed throughout the entire life cycle of the product)
	B3: Repair(Based on empirical assumptions, this stage consumes 0.05kWh of electricity)
	B4: Replacement(Not consuming energy and resources)
	B5: Refurbishment(Not consuming energy and resources)
Use stage related to the operation of the building (B6-B7)	B6: Operational energy use(Not consuming energy and resources)
	B7: Operational water use(Not consuming energy and resources)
End-of-life stage (C1-C4)	C1: De-construction, demolition (According to publicly available information, the assumed power consumption during this stage is 0.01815 kWh)
	C2: Transport to waste processing(The distance of product transportation are 100km，and the transportation means are trucks)
	C3:Waste processing for reuse, recovery and/or recycling(Not consuming energy and resources)

	C4: Disposal(According to publicly available information,70% of scrap iron will be recycled, the remaining 30% of scrap iron,waste cardboard and waste adhesive will be disposed of through landfilling)
D Benefits and loads beyond the system boundary	D:Reuse, recovery and/or recycling potentials, expressed as net impacts and benefits(iron scrap recycling)

4.3 Dangerous substances

There are no dangerous substances into indoor air, oil and water during the use stage.

4.4 Other optional additional environmental information

Not public

References

[1]ISO 14040:2021 – Environmental management – Life cycle assessment – Principles and framework

[2]ISO 14044:2021 – Environmental management – Life cycle assessment – Requirements and guidelines.

[3]ISO 14067:2018 Greenhouse gases – Carbon footprint – Quantification requirements and guidelines.

[4]Guidelines for the calculation and reporting of greenhouse gas emissions from enterprises in other industries (for trial implementation).

[5]2006 IPCC Guidelines for National Greenhouse Gas Inventories.

[6]EN15804 :2012+A2:2019: Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products.

[7]EPD China General Programme Instruction.

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