



RAW INNERDÖRR

EPD Declaration

This declaration confirms the identity of the RAW INNERDÖRR products and their relation to the attached EPD document-

RAW INNERDÖRR products are identical to and are produced at the same facilities as the products from JELD-WEN as described in the EPD. Therefore the results and values noted in the EPD documents are also valid for the RAW products with the following product numbers:

Product no.	EAN	Product name
900212153	7393993171165	RAW INNERDÖRR ANNA 7X20 VIT SLÄT
900222519	7393993184059	RAW INNERDÖRR ANNA 7X21 HELVIT SLÄ
900212152	7393993171202	RAW INNERDÖRR ANNA 7X21 VIT SLÄT
900212151	7393993171172	RAW INNERDÖRR ANNA 8X20 VIT SLÄT
900222528	7393993184066	RAW INNERDÖRR ANNA 8X21 HELVIT SLÄ
900212150	7393993171219	RAW INNERDÖRR ANNA 8X21 VIT SLÄT
900212149	7393993171189	RAW INNERDÖRR ANNA 9X20 VIT SLÄT
900222521	7393993184073	RAW INNERDÖRR ANNA 9X21 HELVIT SLÄ
900212148	7393993171226	RAW INNERDÖRR ANNA 9X21 VIT SLÄT
900212147	7393993171196	RAW INNERDÖRR ANNA 10X20 VIT SLÄT
900222522	7393993184080	RAW INNERDÖRR ANNA 10X21 HELVIT SL
900212146	7393993171233	RAW INNERDÖRR ANNA 10X21 VIT SLÄT
900308022	5715666040790	RAW INNERDÖRR EVA 7X20 3SPEG RAW
900308026	5715666040707	RAW INNERDÖRR EVA 7X20 3SPEG RAW
900308018	5715666040752	RAW INNERDÖRR EVA 7X21 3SPEG RAW
900308692	5715666040677	RAW INNERDÖRR EVA 7X21 3SPEG RAW
900308023	5715666040806	RAW INNERDÖRR EVA 8X20 3SPEG RAW
900308027	5715666040714	RAW INNERDÖRR EVA 8X20 3SPEG RAW
900308019	5715666040769	RAW INNERDÖRR EVA 8X21 3SPEG RAW
900308693	5715666040684	RAW INNERDÖRR EVA 8X21 3SPEG RAW
900308024	5715666040813	RAW INNERDÖRR EVA 9X20 3SPEG RAW
900308185	5715666040721	RAW INNERDÖRR EVA 9X20 3SPEG RAW



900308020	5715666040776	RAW INNERDÖRR EVA 9X21 3SPEG RAW
900308694	5715666040691	RAW INNERDÖRR EVA 9X21 3SPEG RAW
900308017	5715666040745	RAW INNERDÖRR EVA 10X20 3SPEG RAW
900308025	5715666040820	RAW INNERDÖRR EVA 10X20 3SPEG RAW
900308016	5715666040738	RAW INNERDÖRR EVA 10X21 3SPEG RAW
900308021	5715666040783	RAW INNERDÖRR EVA 10X21 3SPEG RAW

December 2025

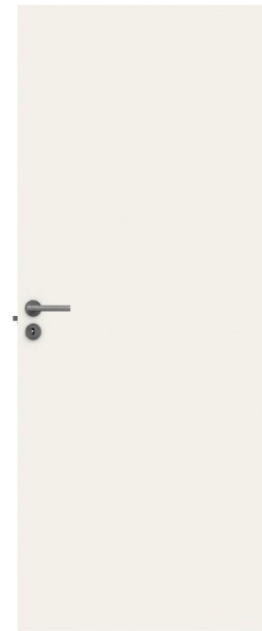
Ninna Sveigaard
Product Compliance Specialist
RAW A/S, Denmark

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

SWEDOOR CLEVER-LINE - INTERIOR UNCLASSIFIED DOORS, UNGLAZED
EASY, STYLE, EASY EFFECT

JELD-WEN



EPD HUB, HUB-2461

Published on 09.12.2024, last updated on 09.12.2024, valid until 08.12.2029

GENERAL INFORMATION

MANUFACTURER

Manufacturer	JELD-WEN
Address	Förrådsgatan 1, 265 38 Åstorp, Sweden
Contact details	EU_Sustainability@jeldwen.com
Website	www.jeld-wen.biz

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR Version 1.1, 5 Dec 2023 EN 17213 Windows and doors
Sector	Construction product
Category of EPD	Third party verified EPD
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Katren Sellik, JELD-WEN
EPD verification	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal verification <input checked="" type="checkbox"/> External verification
EPD verifier	Haiha Nguyen, as an authorized verifier acting for EPD Hub Limited

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

Product name	Swedoor CLEVER-LINE - Interior Unclassified Doors
Additional labels	Unglazed: Easy, Easy Effect, Style
Product reference	-
Place of production	Åstorp, Sweden
Period for data	Calendar year 2021
Averaging in EPD	No averaging
Variation in GWP-fossil for A1-A3	0%

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 square meter
Declared unit mass	7.9042 kg
GWP-fossil, A1-A3 (kgCO₂e)	1,29E+01
GWP-total, A1-A3 (kgCO₂e)	-1,29E+00
Secondary material, inputs (%)	1.06
Secondary material, outputs (%)	65.1
Total energy use, A1-A3 (kWh)	99.7
Net freshwater use, A1-A3 (m³)	0.5

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Headquartered in Charlotte, N.C., USA, JELD-WEN is a leading global manufacturer of high-performance interior and exterior building products, offering one of the broadest selections of windows, interior and exterior doors, and wall systems. JELD-WEN delivers a differentiated customer experience, providing construction professionals with durable, energy-efficient products and labor-saving services that help them maximize productivity and create beautiful, secure spaces for all to enjoy. The JELD-WEN team is driven by innovation and committed to creating safe, sustainable environments for customers, associates, and local communities. The JELD-WEN family of brands includes JELD-WEN® worldwide; LaCantina™ and VPI™ in North America; and Swedoor® and DANA® in Europe; Visit JELD-WEN.com for more information.

PRODUCT DESCRIPTION

Clever-line interior 40mm door leaf with a simple core construction. Standard hardware included. Suitable for use in both private and public buildings e.g offices.

The specific technical standards and addition product information for each door design can be found on Swedoor website.

Further information can be found at www.jeld-wen.biz.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	2,69	GLO
Minerals	-	EU
Fossil materials	5,32	EU
Bio-based materials	89,86	EU

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	3.4055
Biogenic carbon content in packaging, kg C	0.4766

The indicator results have been calculated for product size 0,926 m x 2,04 m. Surface area of said door is 1,889 m², which were used to obtain information for 1 m² of the product.

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 square meter
Mass per declared unit	7.9042 kg
Functional unit	-
Reference service life	-

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

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

Product stage			Assembly 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	x	MND	MND	MND	MND	MND	MND	MND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demol.	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Modules not declared = MND. Modules not relevant = MNR

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission.

The product is made of wood-based boards, paper, metal parts, plastic parts and chemicals (glue and paint). The materials are transported to JELD-WENs production facility.

The production of the door begins with the glueing and pressing of the door materials. The door leaf is then milled to the correct dimensions and the lock and hinge holes are milled. Edge band is glued to the edge of the door. Next, the door leaf moves to the surface treatment, where the surface of the door leaf is primed and painted. After surface treatment, the lock and hinges are installed and the product will be packed.

After packing, the product is ready to be shipped to end customer / construction site.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

The transportation distance is calculated based on the product-specific sales data, taking into account the end customer locations; weighted average result is being used. The transportation method is assumed to be lorry. Vehicle capacity utilization volume factor is assumed to be 1 which means full load. In reality, it may vary but as role of transportation emissions in total results is small, the variety in load is assumed to be negligible. Empty returns are not taken into account as it is assumed that return trip is used by the transportation company to serve the needs of other clients. Transportation does not cause losses as product are packaged properly.

Installation includes the generated packaging waste. There is no loss on site during construction activities.

Energy use during installation has not been taken into account, as installing the door only requires mounting and fastening. No additional materials are needed for installation.

PRODUCT USE AND MAINTENANCE (B1-B7)

N/A

Air, soil, and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

Consumption of energy and natural resources in demolition process is assumed to be negligible.

It is assumed that the waste is collected as mixed construction waste and transported to the waste treatment center. Transportation distance to treatment is assumed as 50 km and the transportation method is assumed to be lorry (C2).

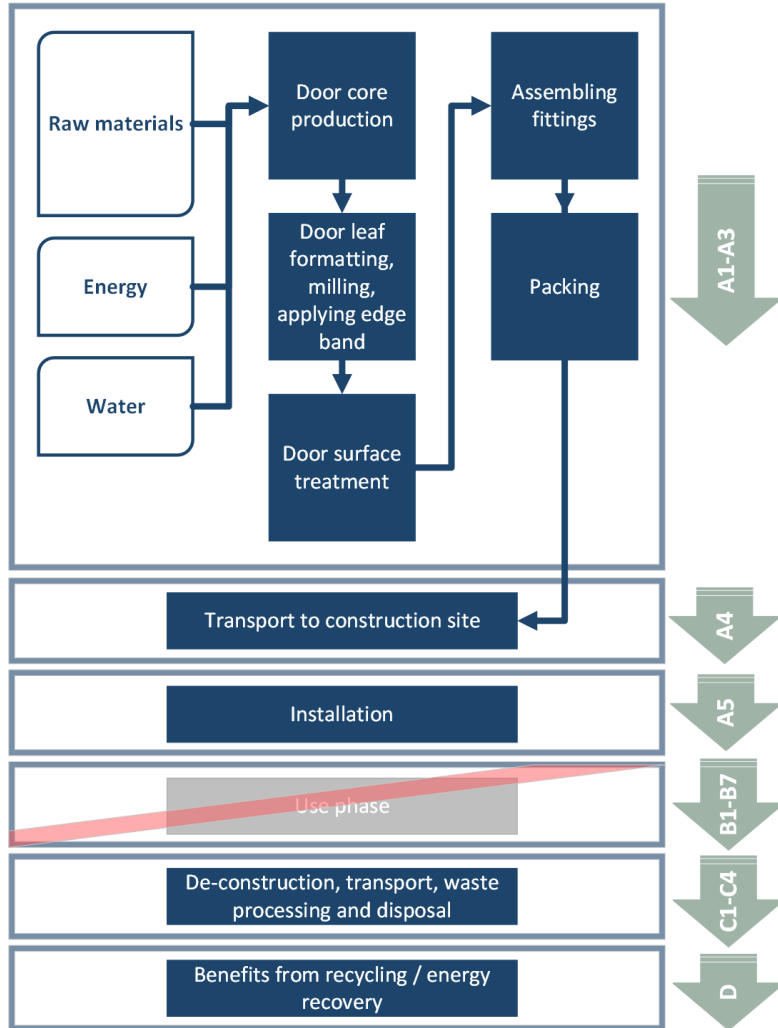
Per the end of life scenario of timber windows and doorsets (EN17213 Annex B), the wood, paper, steel, plastic, paint and glue are sorted. Module C3 accounts for energy and resource inputs for sorting and treating these waste streams for recycling and incineration with energy recovery.

Per the end of life scenario of timber windows and doorsets (EN17213 Annex B), 5% of wood, 5% of paper, 5% of steel, 5% of plastic and 5% of paint and glue waste goes to landfill. Additionally, hazardous waste that is incinerated is included in Module C4 while the flow not included in Module D for benefits.

As specific national data is not used for timber / wooden products, then according to the end of life scenario of timber windows and doorsets (EN17213 Annex B), 100% of sorted timber materials goes to incineration.

The wooden pallet, wooden board and plastic packaging used during transportation are also incinerated for energy recovery or recycled. The benefits and loads of incineration and recycling are included in Module D.

MANUFACTURING PROCESS AND SYSTEM BOUNDARY



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. 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, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	Partly allocated by mass or volume
Packaging material	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	No averaging
Averaging method	Not applicable
Variation in GWP-fossil for A1-A3	0%

This EPD is product and factory specific and does not contain average calculations.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF VP

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	-3,36E+00	1,47E+00	6,03E-01	-1,29E+00	6,28E-01	1,82E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,71E-02	1,19E+01	2,01E+00	-2,31E+01
GWP – fossil	kg CO ₂ e	9,06E+00	1,47E+00	2,33E+00	1,29E+01	6,28E-01	5,97E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,71E-02	4,62E-01	1,86E+00	-2,00E+00
GWP – biogenic	kg CO ₂ e	-1,25E+01	4,59E-04	-1,73E+00	-1,42E+01	2,51E-04	1,76E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,43E-05	1,14E+01	1,51E-01	-2,11E+01
GWP – LULUC	kg CO ₂ e	9,64E-02	6,67E-04	2,35E-03	9,94E-02	2,46E-04	2,68E-05	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,37E-05	1,57E-04	7,25E-05	-2,51E-02
Ozone depletion pot.	kg CFC ₋₁₁ e	1,84E-06	3,28E-07	1,18E-07	2,28E-06	1,45E-07	6,56E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	8,53E-09	1,52E-08	1,38E-07	-1,01E-07
Acidification potential	mol H ⁺ e	7,90E-02	1,46E-02	1,21E-02	1,06E-01	2,55E-03	3,15E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,57E-04	5,80E-04	1,78E-03	-1,47E-02
EP-freshwater ²⁾	kg Pe	1,12E-03	9,33E-06	4,83E-05	1,18E-03	4,41E-06	6,81E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,04E-07	6,25E-06	2,00E-06	-7,64E-05
EP-marine	kg Ne	1,59E-02	3,87E-03	4,03E-03	2,38E-02	7,61E-04	1,27E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,67E-05	1,07E-04	2,76E-04	-1,41E-03
EP-terrestrial	mol Ne	1,78E-01	4,29E-02	4,32E-02	2,65E-01	8,39E-03	1,36E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,15E-04	1,19E-03	2,99E-03	-1,90E-02
POCP (“smog”) ³⁾	kg NMVOCe	4,70E-02	1,18E-02	1,21E-02	7,09E-02	2,57E-03	3,58E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,65E-04	3,52E-04	9,78E-04	-6,04E-03
ADP-minerals & metals ⁴⁾	kg Sbe	6,99E-05	4,64E-06	1,09E-05	8,54E-05	2,22E-06	2,41E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	8,69E-08	9,75E-07	1,06E-06	-1,28E-05
ADP-fossil resources	MJ	1,31E+02	2,11E+01	1,07E+02	2,59E+02	9,32E+00	5,34E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,57E-01	1,98E+00	8,26E+00	-7,02E+01
Water use ⁵⁾	m ³ e depr.	6,24E+01	9,14E-02	9,85E+00	7,24E+01	4,31E-02	8,19E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,49E-03	4,15E-02	3,76E-02	-1,50E+00

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO4e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	1,10E-06	1,08E-07	6,88E-07	1,90E-06	5,42E-08	4,81E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,27E-09	7,60E-09	1,57E-08	-1,54E-07
Ionizing radiation ⁶⁾	kBq 11235e	8,61E-01	1,08E-01	4,32E+00	5,29E+00	4,88E-02	2,47E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,65E-03	3,38E-02	4,01E-02	-3,48E+00
Ecotoxicity (freshwater)	CTUe	2,48E+02	1,67E+01	8,28E+01	3,47E+02	7,73E+00	7,50E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,01E-01	3,56E+00	8,10E+00	-5,71E+01
Human toxicity, cancer	CTUh	3,06E-08	6,22E-10	4,69E-09	3,59E-08	2,39E-10	8,55E-11	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,23E-11	6,45E-10	3,65E-09	1,03E-09
Human tox. non-cancer	CTUh	1,45E-07	1,61E-08	4,63E-08	2,07E-07	7,85E-09	2,94E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,96E-10	2,78E-09	6,60E-09	9,90E-10
SQP ⁷⁾	-	8,80E+02	1,24E+01	1,45E+02	1,04E+03	6,52E+00	3,85E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,42E-01	6,58E-01	1,33E+00	-2,42E+01

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	9,86E+01	2,77E-01	1,24E+01	1,11E+02	1,34E-01	1,45E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,28E-03	2,16E-01	5,91E-02	-2,28E+01
Renew. PER as material	MJ	1,03E+02	0,00E+00	1,22E+01	1,16E+02	0,00E+00	-1,22E+01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	-9,82E+01	-5,17E+00	-1,22E+01
Total use of renew. PER	MJ	2,02E+02	2,77E-01	2,46E+01	2,27E+02	1,34E-01	-1,22E+01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,28E-03	-9,80E+01	-5,11E+00	-3,50E+01
Non-re. PER as energy	MJ	1,07E+02	2,11E+01	1,01E+02	2,29E+02	9,32E+00	5,34E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,57E-01	1,98E+00	8,26E+00	-6,51E+01
Non-re. PER as material	MJ	1,69E+01	0,00E+00	6,15E+00	2,31E+01	0,00E+00	-6,15E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	-1,61E+01	-8,47E-01	-6,11E+00
Total use of non-re. PER	MJ	1,24E+02	2,11E+01	1,07E+02	2,52E+02	9,32E+00	-5,62E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,57E-01	-1,41E+01	7,41E+00	-7,12E+01
Secondary materials	kg	8,41E-02	7,52E-03	2,88E-02	1,20E-01	3,12E-03	8,60E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,55E-04	1,15E-03	3,10E-03	2,33E-01
Renew. secondary fuels	MJ	4,84E+00	6,99E-05	1,37E+01	1,86E+01	3,44E-05	5,38E-06	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,56E-06	7,60E-06	7,19E-06	-3,92E-05
Non-ren. secondary fuels	MJ	1,09E-02	0,00E+00	0,00E+00	1,09E-02	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	3,77E-01	2,42E-03	1,20E-01	5,00E-01	1,17E-03	-1,46E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,22E-05	1,18E-03	9,81E-04	-6,43E-02

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	9,69E-01	2,46E-02	1,48E-01	1,14E+00	1,05E-02	1,72E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,39E-04	5,27E-02	5,28E-01	-2,63E-01
Non-hazardous waste	kg	2,23E+01	3,90E-01	2,30E+00	2,50E+01	1,86E-01	1,19E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,21E-02	6,30E-01	3,95E-01	3,83E-01
Radioactive waste	kg	3,18E-04	1,45E-04	1,65E-03	2,12E-03	6,42E-05	2,40E-06	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,73E-06	1,35E-05	0,00E+00	-7,77E-04

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	1,50E-02	0,00E+00	0,00E+00	1,50E-02	0,00E+00	1,17E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	1,83E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	2,28E-04	0,00E+00	4,13E-01	4,13E-01	0,00E+00	1,17E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	4,96E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	1,85E+00	1,85E+00	0,00E+00	4,22E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	8,81E+00	1,46E+00	2,29E+00	1,26E+01	6,22E-01	5,84E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,67E-02	4,64E-01	1,88E+00	-1,97E+00
Ozone depletion Pot.	kg CFC ₁₁ e	1,72E-06	2,60E-07	1,00E-07	2,08E-06	1,15E-07	5,32E-09	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,76E-09	1,23E-08	1,10E-07	-8,56E-08
Acidification	kg SO ₂ e	6,27E-02	1,16E-02	9,13E-03	8,34E-02	1,98E-03	2,31E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,22E-04	4,79E-04	1,50E-03	-1,26E-02
Eutrophication	kg PO ₄ ³ e	3,13E-02	1,72E-03	3,48E-03	3,65E-02	4,49E-04	2,37E-04	MND	MND	MND	MND	MND	MND	MND	0,00E+00	2,78E-05	1,37E-03	1,30E-03	-2,33E-03
POCP (“smog”)	kg C ₂ H ₄ e	3,84E-03	3,53E-04	8,94E-04	5,09E-03	8,11E-05	9,33E-06	MND	MND	MND	MND	MND	MND	MND	0,00E+00	4,76E-06	2,92E-05	6,32E-05	-7,07E-04
ADP-elements	kg Sbe	6,63E-05	4,54E-06	1,07E-05	8,16E-05	2,18E-06	2,32E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	8,42E-08	9,65E-07	9,98E-07	-1,29E-05
ADP-fossil	MJ	1,28E+02	2,11E+01	1,07E+02	2,55E+02	9,32E+00	5,34E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	5,57E-01	1,98E+00	8,26E+00	-7,00E+01

ENVIRONMENTAL IMPACTS – FRENCH NATIONAL COMPLEMENTS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
ADP-elements	kg Sbe	5,54E-05	4,54E-06	1,07E-05	7,07E-05	2,18E-06	2,32E-07	MND	MND	MND	MND	MND	MND	MND	0,00E+00	8,42E-08	9,65E-07	9,98E-07	-1,29E-05
Hazardous waste disposed	kg	8,76E-01	2,46E-02	1,55E-01	1,06E+00	1,05E-02	1,72E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	7,39E-04	5,27E-02	5,28E-01	-2,63E-01
Non-haz. waste disposed	kg	2,14E+01	3,90E-01	1,88E+00	2,36E+01	1,86E-01	1,19E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	1,21E-02	6,30E-01	3,95E-01	3,83E-01
Air pollution	m ³	3,33E+03	2,12E+02	5,92E+02	4,13E+03	8,40E+01	9,65E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	6,65E+00	2,71E+01	2,56E+01	-1,11E+03
Water pollution	m ³	1,08E+02	1,81E+00	4,86E+00	1,15E+02	8,50E-01	3,56E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,92E-02	1,18E+01	3,18E+00	-1,20E+01

ENVIRONMENTAL IMPACTS – GWP-GHG - THE INTERNATIONAL EPD SYSTEM

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG ⁹⁾	kg CO ₂ e	9,06E+00	1,47E+00	2,33E+00	1,29E+01	6,28E-01	5,97E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	3,71E-02	4,62E-01	1,86E+00	-2,00E+00

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013). In addition, the characterisation factors for the flows - CH₄ fossil, CH₄ biogenic and Dinitrogen monoxide - were updated in line with the guidance of IES PCR 1.2.5 Annex 1. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO₂ is set to zero.

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? Read more online

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

HaiHa Nguyen, as an authorized verifier acting for EPD Hub Limited
09.12.2024

