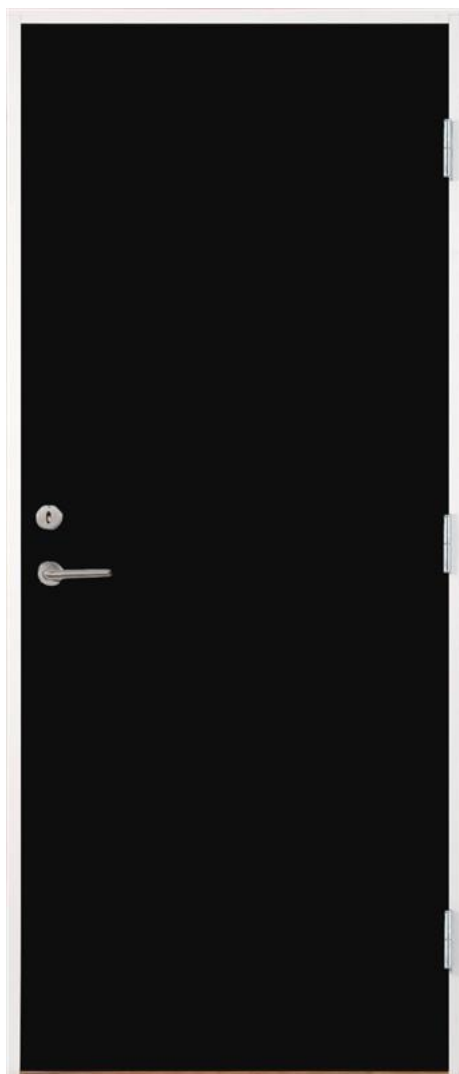


Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Laminated interior door set 61mm



nordicdoor

Owner of the declaration:

Nordic Door AS

Product:

Laminated interior door set 61mm

Declared unit:

1 pcs

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR

NPCR 014:2019 Part B for Windows and doors

Program operator:

EPD-Global

Declaration number:

NEPD-16492-20514

Issue date:

19.06.2026

Valid to:

19.06.2031

EPD software:

LCAno EPD generator ID: 1644090

General information

Product

Laminated interior door set 61mm

Program operator:

EPD-Global
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
web: www.epd-global.com

Declaration number:

NEPD-16492-20514

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 014:2019 Part B for Windows and doors

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD-Global shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Declared unit:

1 pcs Laminated interior door set 61mm

Declared unit with option:

A1-A3, A4, A5, B2, B4, C1, C2, C3, C4, D

Functional unit:

1 produced laminated interior door set measuring 1230mm x 2180mm. Expected service life of 60 years.

General information on verification of EPD from EPD tools:

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Verification of each EPD is made according to EPD-Global's guidelines for verification and approval requiring that tools are i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPD-Global, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Global's General Programme Instructions for further information on EPD tools

Verification of EPD tool:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPD-Global's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Gaylord K. Booto, Norwegian Institute for Air Research (NILU)

(no signature required)

Owner of the declaration:

Nordic Door AS
Contact person: Stein Halvor Nyhus
Phone: +47 975 29 733
e-mail: post@nordicdoor.no

Manufacturer:

Nordic Door AS

Place of production:

Nordic Door AS
Travveien 3
4580 Lyngdal, Norway

Management system:

PEFC, Miljøfyrtårn

Organisation no:

966 820 152

Issue date:

19.06.2026

Valid to:

19.06.2031

Year of study:

2023

Comparability:

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

Development and verification of EPD:

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD-Global.

Developer of EPD: Stein Halvor Nyhus

Reviewer of company-specific input data and EPD: Sturla Stenbråten

Approved:



Håkon Hauan, CEO EPD-Global

Product

Product description:

Interior door set for residential, public, and commercial buildings.

Product specification

The calculations are based on 1 laminated interior door set measuring 1230mm x 2180mm, with 42mm x 92mm frame, one lock and 4 hinges

The product is registered in the Nordic Ecolabelling Supply Chain Declaration Portal for Nordic Swan Ecolabel Generation 4. Nordic has submitted the required component and material declarations to support its use in Generation 4-compliant building projects. The registration provides key environmental data but does not constitute product certification.

Materials	kg	%
Adhesive and sealant	2.10	1.99
Adhesives and hardeners	0.40	0.3792
Aluminium	1.34	1.27
Gasket	1.27	1.20
High Pressure Laminate	4.50	4.27
MDF	24.44	23.17
Metal	0.054	0.05119
Metal - Steel	0.94	0.891
Paint, water-based	0.256	0.2427
Plastic	0.725	0.6872
Wood	19.65	18.63
Wood - Fibreboard	49.82	47.22
Total	105.50	100.00

Packaging	kg	%
Packaging - Plastic	0.185	2.86
Packaging - Wood	6.29	97.14
Total incl. packaging	111.97	100.00

Technical data:

The dimension of the declared unit is 1230mm x 2180mm and a weight of 105,50 kg, excluding packaging materials of 6,47 kg.

Link to our website: <https://www.nordicdoor.no/>

Market:

Main market areas are Norway and other Nordic countries.

Reference service life, product

60 years.

Reference service life, building or construction works

60 years.

LCA: Calculation rules

Declared unit:

1 pcs Laminated interior door set 61mm

Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

Allocation:

The allocation is made in accordance with the provisions of EN 15804:2012+A2:2019. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis. The PCR specific background data follow the allocation rules in the Ecoinvent v3.7.1 Cut-off database version. The allocation of water, energy and waste flows within the production facilities for windows and doors follows unit-based allocation adjusted with a point system to different product groups or products. This score system is regulated by a factor which increases with the resource intensity of each product. The unit-based allocation is adjusted by the weight of the product, excluding the weight of glass.

Data quality:

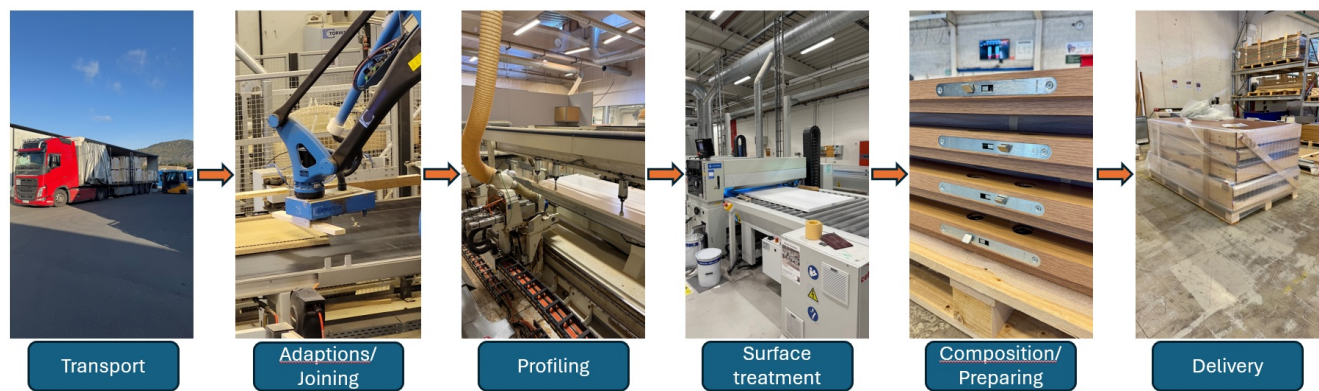
Specific data for the product composition are provided by the manufacturer. The data represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on EPDs according to EN 15804 and different LCA databases. The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data quality	Year
Adhesive and sealant	ecoinvent 3.7.1	Database	2020
Adhesive and sealant	ecoinvent 3.7.1	Specific	2020
Adhesives and hardeners	Ecoinvent 3.8	Database	2021
Aluminium	EPD-ARG-20230541-IBG1-EN	EPD	2022
Aluminium	EPD-ARG-20230545-IBG1-EN	ecoinvent v3.9	2022
Gasket	ecoinvent 3.7.1	Specific	2020
High Pressure Laminate	S-P-06281	EPD	2022
MDF	S-P-00273	EPD	2020
Metal	ecoinvent 3.7.1	Specific	2020
Metal - Steel	ecoinvent 3.7.1	Specific	2020
Packaging - Plastic	ecoinvent 3.6	Database	2019
Packaging - Wood	ecoinvent 3.7.1	Specific	2020
Packaging - Wood	Modified ecoinvent 3.6	Database	2019
Paint, water-based	ecoinvent 3.7.1	Database	2020
Plastic	ecoinvent 3.7.1	Specific	2020
Wood	ecoinvent 3.7.1	Specific	2020
Wood	NEPD-5677-4961-NO	EPD	2019
Wood - Fibreboard	modified ecoinvent 3.6	Database	2019

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Product stage			Construction installation stage		Use stage							End of life stage				Beyond the system boundaries
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction 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	MND	X	MND	X	MND	MND	MND	X	X	X	X	X

System boundary:



Additional technical information:

Link to Product catalog:
<https://www.nordicdoor.no/wp-content/uploads/2025/03/Produktkatalog-2023-NO.pdf>

LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

A4:

Transport of the interior doors from the manufacturing site to the construction site is carried out by road freight using a 16–32 tonne Euro 6 truck. A transport distance of 300 km is applied, representing an average delivery route for typical projects within the intended market.

A5:

According to the report “Harmonising the documentation of scenarios beyond cradle to gate” from EPD-Norge, and in line with EN 15804, there is no material loss on site during construction activities. The product covered by this EPD is fully painted and surface-treated during manufacturing, and not at the construction site. Therefore, only two items remain relevant in this module:

- Waste treatment of packaging, which is included in the EPD calculations.
- Energy use during installation. This may vary depending on the floor level, building type, and several other unknown parameters, and is therefore excluded from the calculation.

B2/B4:

The maintenance scenario includes regular cleaning. Cleaning is carried out three times per year. Each year, 1.5 decilitres of detergent and 3 litres of water are used for this purpose. It is also assumed that 5 grams of lubricating oil are applied annually to fittings and moving parts. No repairs are expected during the product's lifetime, and the reference service life (RSL) is set to 60 years.

C1:

No specific deconstruction activities are modelled. The door is treated as mixed construction waste and sent to incineration. Combustible materials are energy-recovered, and metals are assumed to be recycled according to standard Ecoinvent recovery rates.

C2:

Transport to waste treatment is modelled with an average distance of 85 km from the demolition site to a municipal waste facility.

C3:

The door is handled as mixed construction waste and treated through incineration with energy recovery.

C4:

Residual ash from municipal incineration that is not recovered for recycling is disposed of in landfill.

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (kgkm) - RER	36.7 %	300.00	0.043	l/tkm	12.90
Assembly (A5)	Unit	Value			
Waste, packaging, pallet, EUR wooden pallet, reusable, average treatment (kg) A5	kg	4.92			
Waste, packaging, PET straps, 0% recycled, to average treatment (kg)	kg	0.025			
Waste, packaging, plastic film (LDPE), to average treatment (kg)	kg	0.16			
Waste, Packaging, Wood, reused pine, average treatment (kg) - A5, inkl. 85 km transp.	kg	1.37			
Maintenance (B2)	Unit	Value			
Water, tap water (kg) - Europe without Switzerland	kg	180.00			
Detergent, Husvask (kg)	kg	9.00			
Lubricating oil (kg) - RER	kg	0.30			
Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (kgkm) - RER	36.7 %	85.00	0.043	l/tkm	3.66

Waste processing (C3)	Unit	Value			
Waste treatment per kg Polyurethane (PU), incineration (kg)	kg	2.45			
Avfallsbehandling polyuretan lim, 0% vann, forbrenning, Norge - C3 (kg)	kg	0.40			
WASTE C3 - Lock cylinders, ASSA ABLOY (kg) - EPD-ARG-20230545-IBG1-EN - TRETEKNISK	kg	0.4172			
WASTE C3 - Hinges, ASSA ABLOY (kg) - EPD-ARG-20230541-IBG1-EN - TRETEKNISK	kg	0.3814			
Waste treatment per kg Wood, from incineration (kg)	kg	1.43			
Waste treatment per kg Rubber, municipal incineration with fly ash extraction (kg)	kg	1.27			
Materials to recycling (kg)	kg	0.3373			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg) - CH - C3	kg	0.994			
Waste paint, 0% water, incineration in Norway (kg)	kg	0.1024			
WASTE C3 - MDF, Finsa (kg) - S-P-00273 - TRETEKNISK	kg	21.14			
Waste wood, untreated, 100% dry wood, incineration (kg)	kg	4.50			
Balancing - NRPE/NRPM (MJ)	MJ	46.75			
Waste treatment per kg Wood, from incineration (kg)	kg	63.55			
Waste treatment per kg Plastic, Mixture, municipal incineration with fly ash extraction (kg)	kg	0.856			
Waste treatment per kg Wood, from incineration (kg)	kg	10.10			

Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Polyurethane (PU), process per kg ashes and residues - C4 (kg)	kg	0.0929			
Avfallsbehandling polyuretan lim, 0% vann, deponering av aske, Norge - C4 (kg)	kg	0.40			
WASTE C3 - Lock cylinders, ASSA ABLOY (kg) - EPD-ARG-20230545-IBG1-EN - TRETEKNISK	kg	0.2828			
WASTE C4 - Hinges, ASSA ABLOY (kg) - EPD-ARG-20230541-IBG1-EN - TRETEKNISK	kg	0.2586			
Landfilling of ashes from incineration of Rubber, process per kg ashes and residues - C4 (kg)	kg	0.06641			
Landfilling of ashes from incineration of Scrap steel, process of ashes and residues (kg) - CH - C4	kg	0.6567			
WASTE C4 - MDF, Finsa (kg) - S-P-00273 - TRETEKNISK	kg	3.54			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues - C4 (kg)	kg	0.7311			
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues (kg)	kg	0.02993			

Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	766.99			
Substitution of electricity, in Norway (MJ)	MJ	50.70			
Avfallsbehandling polyuretan lim, 0% vann, substitusjon av elektrisitet og varme, Norge - D (kg)	kg	0.40			
WASTE D - Lock cylinders, ASSA ABLOY (kg) - EPD-ARG-20230545-IBG1-EN - TRETEKNISK	kg	0.4172			
WASTE D - Hinges, ASSA ABLOY (kg) - EPD-ARG-20230541-IBG1-EN - TRETEKNISK	kg	0.3814			
Substitution of primary steel with net scrap (kg)	kg	0.3373			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	1.19			
Substitution of electricity, in Norway (MJ)	MJ	0.07836			
WASTE D - MDF, Finsa (kg) - S-P-00273 - TRETEKNISK	kg	21.14			

LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

Environmental impact												
Indicator		Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D
	GWP-total	kg CO ₂ -eq	-3.20E+01	5.49E+00	9.73E+00	7.17E+00	0	0	1.56E+00	1.89E+02	6.79E-01	-1.03E+01
	GWP-fossil	kg CO ₂ -eq	1.25E+02	5.49E+00	5.81E-02	7.02E+00	0	0	1.55E+00	1.51E+01	5.97E-02	-1.22E+01
	GWP-biogenic	kg CO ₂ -eq	-1.58E+02	2.27E-03	9.74E+00	2.85E-02	0	0	6.43E-04	1.74E+02	6.20E-01	2.10E+00
	GWP-luluc	kg CO ₂ -eq	6.46E-01	1.95E-03	1.23E-05	1.30E-01	0	0	5.53E-04	6.45E-04	1.35E-05	-1.71E-01
	ODP	kg CFC 11 -eq	1.55E-05	1.24E-06	7.83E-09	4.50E-07	0	0	3.52E-07	1.45E-07	8.28E-09	-3.24E-01
	AP	mol H ⁺ -eq	1.02E+00	1.58E-02	3.68E-04	3.45E-02	0	0	4.47E-03	2.12E-02	3.65E-04	-2.36E-01
	EP-FreshWater	kg P -eq	1.19E-02	4.38E-05	5.51E-07	4.06E-04	0	0	1.24E-05	7.81E-05	1.07E-06	-1.52E-03
	EP-Marine	kg N -eq	1.70E-01	3.12E-03	1.67E-04	6.58E-03	0	0	8.84E-04	1.03E-02	1.37E-04	-2.64E-02
	EP-Terrestrial	mol N -eq	1.77E+00	3.49E-02	1.67E-03	7.35E-02	0	0	9.89E-03	1.06E-01	1.55E-03	-4.20E-01
	POCP	kg NMVOC -eq	5.63E-01	1.34E-02	4.34E-04	3.87E-02	0	0	3.79E-03	2.57E-02	4.21E-04	-9.33E-02
	ADP-minerals&metals ¹	kg Sb -eq	1.30E-02	1.52E-04	7.83E-07	1.37E-04	0	0	4.29E-05	6.49E-06	4.17E-07	-3.99E-03
	ADP-fossil ¹	MJ	1.85E+03	8.30E+01	5.71E-01	2.03E+02	0	0	2.35E+01	1.54E+01	6.85E-01	-1.71E+02
	WDP ¹	m ³	8.41E+03	8.02E+01	1.00E+00	4.80E+01	0	0	2.27E+01	3.17E+01	4.66E+00	-7.77E+02

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

"Reading example: 9.0 E-03 = 9.0*10⁻³ = 0.009"

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

Remarks to environmental impacts

Not relevant

Additional environmental impact indicators

Indicator	Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D
 PM	Disease incidence	8.73E-06	3.36E-07	4.60E-09	2.95E-07	0	0	9.52E-08	1.59E-07	3.25E-09	-2.69E-06
 IRP ²	kgBq U235 -eq	4.68E+00	3.63E-01	2.13E-03	2.98E-01	0	0	1.03E-01	2.22E-02	2.95E-03	-5.51E-01
 ETP-fw ¹	CTUe	5.58E+03	6.15E+01	6.39E-01	1.60E+02	0	0	1.74E+01	4.72E+01	4.12E+00	-1.62E+03
 HTP-c ¹	CTUh	2.22E-07	0.00E+00	6.60E-11	7.67E-09	0	0	0.00E+00	3.74E-09	4.50E-11	-3.96E-08
 HTP-nc ¹	CTUh	8.18E-06	6.72E-08	3.16E-09	7.22E-08	0	0	1.90E-08	1.69E-07	1.58E-09	-2.40E-06
 SQP ¹	dimensionless	6.09E+03	5.80E+01	3.92E-01	3.41E+01	0	0	1.64E+01	2.53E+00	1.73E+00	-4.92E+02

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Potential Soil Quality Index (dimensionless)

"Reading example: 9.0 E-03 = 9.0×10^{-3} = 0.009"

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
2. 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.

Resource use											
Indicator	Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D
 PERE	MJ	1.08E+03	1.19E+00	1.20E-02	8.90E+00	0	0	3.36E-01	8.76E+01	3.39E-02	-5.15E+02
 PERM	MJ	2.30E+03	0.00E+00	-9.22E+01	0.00E+00	0	0	0.00E+00	-1.70E+03	0.00E+00	0.00E+00
 PERT	MJ	3.37E+03	1.19E+00	-9.22E+01	8.90E+00	0	0	3.36E-01	-1.62E+03	3.39E-02	-5.15E+02
 PENRE	MJ	1.55E+03	8.30E+01	5.71E-01	2.03E+02	0	0	2.35E+01	-3.03E+01	6.85E-01	-1.72E+02
 PENRM	MJ	3.06E+02	0.00E+00	-7.37E+00	0.00E+00	0	0	0.00E+00	-2.87E+01	0.00E+00	0.00E+00
 PENRT	MJ	1.85E+03	8.30E+01	-6.80E+00	2.03E+02	0	0	2.35E+01	-5.90E+01	6.85E-01	-1.72E+02
 SM	kg	2.89E-01	0.00E+00	0.00E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
 RSF	MJ	1.95E+02	4.25E-02	3.46E-04	3.36E-02	0	0	1.20E-02	2.07E-01	6.88E-04	-4.36E+00
 NRSF	MJ	1.77E+00	1.52E-01	3.59E-03	1.20E-02	0	0	4.30E-02	1.26E-01	2.43E-01	-2.51E+01
 FW	m ³	5.51E+00	8.87E-03	4.04E-04	3.20E-01	0	0	2.51E-03	3.82E-02	8.32E-04	-6.16E-01

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

"Reading example: 9.0 E-03 = 9.0*10⁻³ = 0.009"

End of life - Waste												
Indicator	Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D	
 HWD	kg	5.46E+00	4.28E-03	0.00E+00	2.22E-02	0	0	1.21E-03	9.87E-03	1.31E+00	-6.41E-03	
 NHWD	kg	3.97E+01	4.03E+00	1.80E+00	6.65E-01	0	0	1.14E+00	5.55E-02	5.05E-01	-3.25E+00	
 RWD	kg	7.71E-03	5.65E-04	0.00E+00	3.05E-04	0	0	1.60E-04	2.86E-05	4.00E-06	-6.90E-04	

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9.0 E-03 = 9.0×10^{-3} = 0.009"

End of life - Output flow												
Indicator	Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D	
 CRU	kg	0.00E+00	0.00E+00	4.67E+00	0.00E+00	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
 MFR	kg	4.76E+00	0.00E+00	9.45E-02	0.00E+00	0	0	0.00E+00	1.77E+01	1.32E-01	0.00E+00	
 MER	kg	3.02E+01	0.00E+00	1.61E+00	0.00E+00	0	0	0.00E+00	8.74E+01	0.00E+00	0.00E+00	
 EEE	MJ	5.40E+00	0.00E+00	1.12E+00	0.00E+00	0	0	0.00E+00	6.76E+01	0.00E+00	2.29E+01	
 EET	MJ	8.17E+01	0.00E+00	1.70E+01	0.00E+00	0	0	0.00E+00	9.50E+02	0.00E+00	3.25E+01	

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported energy electrical; EET = Exported energy thermal

"Reading example: 9.0 E-03 = 9.0×10^{-3} = 0.009"

Biogenic Carbon Content		
Indicator	Unit	At the factory gate
Biogenic carbon content in product	kg C	4.12E+01
Biogenic carbon content in accompanying packaging	kg C	3.02E+00

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

Additional requirements

Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Source	Amount	Unit
Electricity, Norway (kWh)	ecoinvent 3.6	24.33	g CO2-eq/kWh

Dangerous substances

Not declared.

Indoor environment

Not relevant

Additional Environmental Information

Additional environmental impact indicators required in NPCR Part A for construction products											
Indicator	Unit	A1-A3	A4	A5	B2	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO ₂ -eq	1.18E+02	5.49E+00	5.82E-02	7.17E+00	0	0	1.56E+00	1.49E+01	5.53E-02	-4.98E+00

GWP-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.

Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.

ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.

EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.

ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.

ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.

Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21

Iversen et al., (2022) EPD generator for EPD generator for NPCR 014

Part B for Windows and doors, Background information for EPD generator application and LCA data, LCA.no report number: 17.22

NPCR Part A: Construction products and services. Ver. 2.0. April 2021, EPD-Norge.

NPCR 014 Part B for Windows and doors, Ver. 4.0, 20.09.2021, EPD Norway.

 Powered by EPD-Norway	Program operator and publisher EPD-Global Postboks 5250 Majorstuen, 0303 Oslo, Norway	Phone: +47 977 22 020 e-mail: post@epd-norge.no web: www.epd-global.com
	Owner of the declaration: Nordic Door AS Travveien 3, 4580 Lyngdal, Norway	Phone: +47 975 29 733 e-mail: post@nordicdoor.no web: https://www.nordicdoor.no/
	Author of the Life Cycle Assessment Norsk Treteknisk Institutt (NTI) Postboks 113 Blindern, 0314 Oslo, Norway	Phone: +47 98 85 33 33 e-mail: firmapost@treteknisk.no web: www.treteknisk.no
	Developer of EPD generator LCA.no AS Dokka 6A, 1671 Kråkerøy, Norway	Phone: +47 916 50 916 e-mail: post@lca.no web: www.lca.no
	ECO Platform ECO Portal	web: www.eco-platform.org web: ECO Portal