Environmental Product Declaration



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







PPG DYRUP Dycrilforce

Programme: The International EPD® System, www.environdec.com

Programme operator: EPD International AB
EPD registration number: EPD-IES-0025271
Version date: 2025-09-09
Validity date: 2030-09-09

An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com.

EPD of multiple products, based on worst-case results.

 $\ensuremath{\mathsf{EPD}}$ of construction products may not be comparable if they do not comply with EN 15804.







General information

Programme information

1 rogramme milon	
Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	support@environdec.com

Accountabilities for PCR, LCA and independent, third-party verification								
Product Category Rules (PCR)								
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)								
Product Category Rules (PCR): International EPD System, PCR for Construction Products, 2019:14, version 2 0 1								

PCR review was conducted by: The Technical Committee of the International EPD System. See www.environdec.com for a list of members. Review chairs:Rob Rouwette (chair), Noa Meron (co-chair) The review panel may be contacted via support@environdec.com.

Life Cycle Assessmen	t (LCA)						
LCA accountability: \	riping Qu, Product Sustainability Specialist, Product Sus	stainability CoE					
Third-party verification	n						
	verification of the declaration and data, according to ISC occess Certificationn* without a pre-verified LCA/EPD tool) 14025:2006, via:					
Internal auditor: Zixuan Zhang, Product Sustainability Specialist, Product Sustainability CoE							
	occountable for the certification: Epsten Group, Inc. Suite 2600, Atlanta, Georgia 30303, USA m	epstengroup @ A Salas O'Brien Company					
Third-party verifier is	accredited by A2LA						
•	of data during EPD validity involves third party verifier:						

EPD Type: Worst case. This EPD is based on the worst case life cycle impacts (of each reported life cycle impact category) of all variations of PPG DYRUP Dycrilforce.

*EPD process certification involves an accredited certification body certifying and periodically auditing the EPD process and conducting external and independent verification of EPDs that are regularly published. More information can be found in the General Programme Instructions on www.envrondec.com.

The EPD owner has the sole ownership, liability, and responsibility for the EPD. This EPD is intended for B2B communication

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, 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 characterisation factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.





Information about EPD owner

Owner of the EPD: PPG Industries, 1 PPG Place, Pittsburgh, PA, 15272

<u>Contact:</u> <u>Sustainability.COE@ppg.com</u>

<u>Description of the organisation:</u> PPG is a global manufacturer of coatings who is the owner of many

brands through-out Europe, one of these being DYRUP Coatings.

Product-related or management system-related certifications:

PPG's EHS Policy incorporates the elements of voluntary global industry initiatives, including Responsible Care[®] and Coatings Care[®], which help companies manage safe and environmentally responsible practices in the chemicals and coatings industries. At more than 40 of its facilities, PPG has received ISO 14001:2004 certification.

Name and location of production site(s):

Sacavem, Portugal

Product Information

Product name: PPG DYRUP Dycrilforce

Product identification: Products are identified by name

Product description: Plastic paint formulated based on 100% acrylic aqueous emulsion, with special additives that give it

excellent repellency to liquid water.

**Any technical information of the product should refer to the TDS.

UN CPC code: 35110

Geographical scope: European Union Countries

<u>Lifespan:</u> 10 years <u>Coverage rate:</u> 12 m2/L

LCA Information

<u>Declared unit:</u> The declared unit for this EPD is 1 kg. The spreading rate is

averaged at 12m2/L.

<u>Time representativeness:</u> 2024

<u>Database(s)</u> and LCA software used: Ecoinvent 3.10, Industry Data 2.0; Simapro v. 9.6.0.1.

Electricity usage in A3: Electricity, medium voltage (PT)| electricity, medium voltage, residual mix |

Cut-off, S; Climate impact: 0.595kg CO2eq/kWh (GWP-GHG)

Neglected flows in all modules are less than 1% of mass and Cut-off rules:

energy. Neglect flows per life-cycle stages A1-A3, A4-A5 and C1-C4, aggregated are less than 5% of mass and energy. Cut-off rules

do not apply to Module A1, which is 100% modelled.

Allocation method: Mass allocation: A3 energy/material inputs and waste outputs are

allocated by total products manufactured over 1 year

Description of system boundaries:

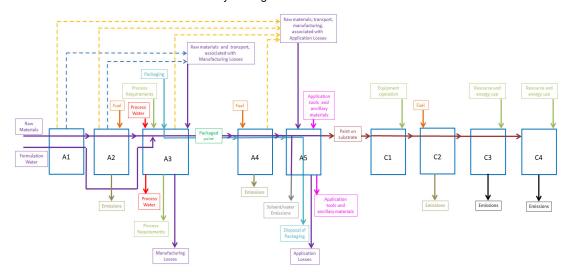
The type of EPD is Cradle to Gate with Options (EPD Type b - Modules A1-A3, A4, A5, C1-C4, and D). B modules are excluded since no use phase maintenance, repair or replacement is expected during the technical life time.





System diagram:

Please refer the table below for A1-C4 life cycle stages.



Modules declared, geographical scope and data variation (in GWP-GHG results):

	Pro	duct st	tage		ution/installatio n stage	Use stage				Beyond product life cycle	
	Raw material supply Transport Transport Construction installation		Use, maintenance, repair, replacement, refurbishment, operational energy and water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling- potential			
Module	A1	A2	А3	A4	A5	B1-B7	C1	C2	C3	C4	D
Modules declared	Х	Х	Х	Х	Х	ND	Х	Х	Х	Х	Х
Geography	EU27	EU27	PT	EU27	EU27		EU27 EU		EU27	EU27	EU27
Variation – products	-52.	8% No	ote 1								
Variation – sites		N/A									

-Recycling-
Reuse-Recovery-Recyc potential
D
х
EU27

Note 1: Since EPD uses the maximum value of all products, this is based on the ratio of the GWP-GHG of the minimum product to the EPD reported value for Stages A1-A3, i.e., the variation is entirely below the reported result.





Declaration of data sources, reference years, data categories, and share of primary data:

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3
Binder	Database	Industry data 2.0	2023	Secondary data	0%
Pigment	Database	Ecoinvent 3.10	2024	Secondary data	0%
Other Processes	Collected data, database, supplier data	EPD owner, Ecoinvent 3.10, packaging supplier	<5 years old	Primary data	12%
Total share of primary da	12%				

The share of primary data is calculated based on GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant

Manufacturing processes in module A3 are always less than 2 years old.

Summary:

Plastic paint formulated based on 100% acrylic aqueous emulsion, with special additives that give it excellent repellency to liquid water. Its life span is 10 years with a A1-A3 GWP total of 1.7 kg CO2e/kg.

Primary data, such as water and electricity consumption and production waste, are based on measurements at the relevant manufacturing plant from 2024-01-01 to 2024-12-31. Except for A3 manufacturing processes, all upstream and downstream processes are based on secondary data from Ecoinvent 3.10 or Industry Data 2.0, or supplier data (for raw materials only)

According to Annex E, Table E.1 of EN 15804, the data quality levels of the datasets are classified as very good, good, or fair.





Content Declaration

Product components	Weight, kg	Average Weight, kg	Post-consumer material, weight-% of product	Biogenic material, weight-% of product	Biogenic material, kg C/declared unit
Binders	2.0E-01~2.3E-01	2.1E-01	-	-	-
Solvents	1.6E-03~1.8E-03	1.7E-03	-	-	-
Pigments	3.0E-01~3.5E-01	3.2E-01	-	-	-
Water	4.6E-01~4.7E-01	4.6E-01	-	-	-
Others	<0.001	<0.001	-	-	-
Total	1.0F+00	1.0E+00	0	0	0

Packaging materials	Weight, kg	Weight-% (versus the product)	Weight biogenic carbon, kg C/declared unit	PCR material, Weight- % in packaging material
Steel for cans/buckets(Note 1)	7.7E-02	7.6%	0.0E+00	-
TOTAL	7.7E-02	7.6%	0.0E+00	-

Note 1: Packaging weights are the maximum of the individual products included in the EPD. Packaging weight percentages are assessed on the maximum product weight per declared unit given above.

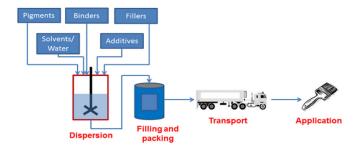
candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight-% per declared unit
None			

Biogenic carbon content	Product's biogenic carbon content at the factory gate kg C
Biogenic carbon content in product (Note2)	0.0E+00
Biogenic carbon content in accompanying packaging (Note 3)	0.0E+00

Note 2, Note 3: Biogenic carbon in the product and in the packaging is the minimum of the individual products and packagings included in the EPD

Manufacturing Process

The manufacturing process for coatings primarily involves the mixing and dispersing of raw materials into a homogeneous mixture. Raw materials include pigments and fillers, which provide colour, hiding, and gloss control; resins/binders, which dry to form a solid film and adhere the coating to the substrate and additives, which assist with various coating properties. The product is then shipped to the customers as a set for them to mix at the job site before application.







Assumptions beyond module A3

Α4

Transportation distance is assumed to be 850 km according to EU geography and location of PPG factories. Transportation mode is assumed to be by Euro 5 16-32 metric ton truck.

A5

The following sub modules and assumptions are included in A5

- 1. Application tools and ancilliaries: roller.
- 2. Disposal of application waste: an estimate of 1% application lost is assumed. Environmental impact of manufacturing and disposal of 1% product lost is included in A5. Content of lost products are assumed to be disposed of as nonhazardous waste to landfill.
- 3. Primary packaging (steel, plastic and cardboards) are disposed as nonhazardous waste to landfill.
- 4. VOCs were modelled as direct emission to the environment and characterized by their characterization factors according to EVEA Method EN 15804 A2 EPD Ev-DEC 1.16 ei3.10 SP9.6.

C1-C4

- 1. C1: Energy associated with demolition of the substrate structure is prorated for the mass of paint.
- 2. C2: Transportation to disposal is assumed to 80 km and transportation mode is assumed to be by Euro 5 16-32 metric ton truck.
- 3. C3: No waste processing options are considered.
- 4. C4: It is assumed that the paint will be disposed of along with the substrate in a landfill.

D

No benefits and loads beyond the product system boundary were declared since no reuse or recovery occurs for architectural coatings in general. In addition, since landfilling is assumed to be the waste disposal option in C4 module, no "useful energy carrier" is considered leaving the product system. Therefore, no benefit is claimed in module D.

List of excluded processes

- 1. A3: Raw materials and processing for the packaging (e.g. cardboard) of the paint containers (e.g., steel and plastic), and secondary packaging of paint finished products (e.g., plastic wraps for easy of transportation) are excluded from the system.
- 2. Personnel related processes, such as transportation of employees to and from work, are excluded.
- 3. The production and end-of-life processes of infrastructure or capital goods of PPG plants are excluded.





Environmental performance

Potential environmental impact – mandatory indicators according to EN 15804 based on EF3.1 Results per declared unit (1 kg of DYRUP coating)

Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D
GWP - fossil	kg CO ₂ eq.	1.7E+00	1.8E-01	1.1E-01	INA	4.1E-04	8.3E-03	0.0E+00	2.5E-02	0.0E+00
GWP -biogenic	kg CO ₂ eq.	1.0E-02	3.1E-05	1.8E-04	INA	9.5E-08	1.5E-06	0.0E+00	1.0E-05	0.0E+00
GWP - Iuluc	kg CO ₂ eq.	9.0E-04	5.8E-05	5.2E-05	INA	8.7E-08	2.7E-06	0.0E+00	3.2E-06	0.0E+00
GWP - total	kg CO ₂ eq.	1.7E+00	1.8E-01	1.1E-01	INA	4.1E-04	8.3E-03	0.0E+00	2.5E-02	0.0E+00
ODP	kg CFC 11 eq.	2.5E-08	3.5E-09	2.4E-09	INA	3.6E-11	1.7E-10	0.0E+00	1.8E-10	0.0E+00
AP	mol H ⁺ eq.	2.2E-02	5.5E-04	5.8E-04	INA	1.6E-06	2.6E-05	0.0E+00	4.1E-05	0.0E+00
EP - freshwater	kg P eq.	5.9E-05	1.3E-06	3.8E-06	INA	2.6E-09	6.4E-08	0.0E+00	6.6E-08	0.0E+00
EP - marine	kg N eq.	1.4E-03	1.8E-04	1.2E-04	INA	2.4E-07	8.7E-06	0.0E+00	1.6E-05	0.0E+00
EP-terrestrial	mol N eq.	1.4E-02	2.0E-03	8.6E-04	INA	2.5E-06	9.6E-05	0.0E+00	1.7E-04	0.0E+00
POCP	kg NMVOC eq.	6.3E-03	8.6E-04	7.9E-04	INA	3.8E-06	4.1E-05	0.0E+00	6.6E-05	0.0E+00
ADP - minerals & metals*	kg Sb eq.	1.0E-05	5.8E-07	4.8E-07	INA	2.4E-10	2.7E-08	0.0E+00	1.3E-08	0.0E+00
ADP - fossil*	MJ	3.0E+01	2.5E+00	2.4E+00	INA	2.4E-02	1.2E-01	0.0E+00	1.4E-01	0.0E+00
WDP*	m ³	1.3E+00	1.0E-02	8.5E-02	INA	2.2E-05	4.9E-04	0.0E+00	6.4E-03	0.0E+00

^{*} Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.

Statement: The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/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).

Potential environmental impact – additional mandatory and voluntary indicators Results per declared unit

Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D
GWP-GHG[1]	kg CO ₂ eq.	1.7E+00	1.8E-01	1.1E-01	INA	4.1E-04	8.3E-03	0.0E+00	2.5E-02	0.0E+00
Particulate Matter	disease inc.	1.1E-07	1.4E-08	4.5E-09	INA	1.4E-11	6.5E-10	0.0E+00	9.3E-10	0.0E+00
lonizing radiation, human health (IRP) [2]	kBq U235 eq.	7.6E-02	1.1E-03	3.1E-03	INA	3.2E-06	5.3E-05	0.0E+00	5.6E-05	0.0E+00
Eco-toxicity - freshwater (ETP-fw)	CTUe	2.7E+01	6.6E-01	6.0E-01	INA	1.1E-03	3.1E-02	0.0E+00	2.2E+00	0.0E+00
Human toxicity, cancer effect (HTP-c)	CTUh	2.2E-08	1.2E-09	4.3E-10	INA	1.6E-12	5.8E-11	0.0E+00	3.2E-11	0.0E+00
Human toxicity, non-cancer effects (HTP-nc)	CTUh	1.5E-08	1.5E-09	6.1E-10	INA	1.9E-12	7.3E-11	0.0E+00	5.4E-11	0.0E+00
Land use related impacts/Soil quality (SQP)	dimensionless	7.3E+00	1.5E+00	3.6E-01	INA	1.2E-03	7.0E-02	0.0E+00	3.1E-01	0.0E+00

Additional voluntary indicators e.g. the voluntary indicators from EN 15804 or the global indicators according to ISO 21930:2017

Note 1: GWP-GHG is calculated as GWP - total minus any climate change impact (positive or negative) caused by biogenic carbon emission or uptake.

Note 2: This impact category deals mainly with the eventual impact of low does 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.

LCIA results includes infrastructure processes embedded in the generic LCI datasets used in modeling the entire life cycle of our products (A1-C4), which may include manufacturing, transportation and energy infrastructure plants outside PPG's direct control. Infrastructure processes of PPG manufacturing plants are excluded.





			Use	of resou	rces					
Results per declared unit										
Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D
PERE	MJ	6.1E-01	4.2E-02	9.9E-02	INA	8.8E-05	2.0E-03	0.0E+00	2.0E-03	0.0E+00
PERM	MJ	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
PERT	MJ	6.1E-01	4.2E-02	9.9E-02	INA	8.8E-05	2.0E-03	0.0E+00	2.0E-03	0.0E+00
PENRE	MJ	3.0E+01	2.5E+00	2.4E+00	INA	2.4E-02	1.2E-01	0.0E+00	1.4E-01	0.0E+00
PENRM	MJ	3.4E+01	0.0E+00	1.1E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
PENRT	MJ	6.4E+01	2.5E+00	3.5E+00	INA	2.4E-02	1.2E-01	0.0E+00	1.4E-01	0.0E+00
SM	kg	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
RSF	MJ	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
NRSF	MJ	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW	m ³	3.3E-02	3.4E-04	1.8E-03	INA	7.8E-07	1.6E-05	0.0E+00	1.5E-04	0.0E+00
			Was	te produc	tion					
Results per declared unit										
Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D

Waste production										
			Results	per decla	red unit					
Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	3.0E-02	7.5E-05	3.8E-04	INA	2.3E-07	3.5E-06	0.0E+00	3.8E-05	0.0E+00
Non-hazardous waste disposed	kg	3.5E+00	1.4E-01	1.6E-01	INA	3.5E-05	6.8E-03	0.0E+00	5.4E-01	0.0E+00
Radioactive waste disposed	kg	1.3E-04	7.9E-07	3.3E-06	INA	2.1E-09	3.7E-08	0.0E+00	3.9E-08	0.0E+00

			0	utput flow	/s					
			Results	per decla	red unit					
Indicator	Unit	A1-A3	A4	A5	B1 - B7	C1	C2	C3	C4	D
Components for re-use	kg	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Material for recycling	kg	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Materials for energy recovery	kg	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Exported energy, electricity	MJ	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Exported energy, thermal	MJ	0.0E+00	0.0E+00	0.0E+00	INA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

LCIA results includes infrastructure processes embedded in the generic LCI datasets used in modeling the entire life cycle of our products (A1-C4), which may include manufacturing, transportation and energy infrastructure plants outside PPG's direct control. Infrastructure processes of PPG manufacturing plants are excluded.





Abbreviations

Abbreviation	Definition					
General Abbrev	viations					
EN	European Norm (Standard)					
EPD	Environmental Product Declaration					
EFU EF						
=-	Environmental Footprint					
GPI	General Programme Instructions					
ISO	International Organization for Standardization					
LCA	Life Cycle Assessment					
PCR	Product Category Rules					
CEN	European Committee for Standardization					
CPC	Central product classification					
Environmental	Impact Indicators (EN 15804)					
GHG	Greenhouse gas					
GWP	Global Warming Potential (kg CO ₂ eq.)					
GWP-fossil	Global Warming Potential from fossil sources (kg CO ₂ eq.)					
GWP-biogenic	Global Warming Potential from biogenic sources(kg CO ₂ eq.)					
GWP-luluc	Global Warming Potential from land use and land use change (kg					
GWP-total	Total Global Warming Potential (kg CO ₂ eq.)					
GWP-GHG	Global Warming Potential for greenhouse gases (kg CO ₂ eq.)					
ODP	Ozone Depletion Potential (kg CFC-11 eq.)					
AP	Acidification Potential (mol H* eq.)					
EP	Eutrophication Potential					
EP-freshwater	Freshwater eutrophication potential (kg P eq.)					
EP-marine	Marine eutrophication potential (kg N eq.)					
EP-terrestrial	Terrestrial eutrophication potential (mol N eq.)					
POCP	Photochemical Ozone Creation Potential (kg NMVOC eq.)					
ADP	Abiotic Depletion Potential					
ADP-	Abiotic depletion potential for non-fossil resources (kg Sb eq.)					
ADP-fossil	Abiotic depletion potential for fossil resources (MJ)					
WDP	Water Deprivation Potential (m³)					
Resource Use I	Indicators					
PERE	Use of renewable primary energy excluding renewable primary energy resources used as raw materials (MJ)					
PERM	Use of renewable primary energy resources used as raw					
PERT	Total use of renewable primary energy resources (MJ)					
PENRE	Use of non-renewable primary energy excluding non-renewable					
FLINKE	primary energy resources used as raw materials (MJ)					
PENRM	Use of non-renewable primary energy resources used as raw materials (MJ) materials (MJ)					
PENRT	Total use of non-renewable primary energy resources (MJ)					
SM	Use of secondary material (kg)					
RSF	Use of renewable secondary fuels (MJ)					
NRSF	Use of non-renewable secondary fuels (MJ)					
FW	Use of net fresh water (m³)					

Abbreviation	Definition					
Waste Indicators						
HW	Hazardous Waste (disposed) (kg)					
NHW	Non-Hazardous Waste (disposed) (kg)					
RW	Radioactive Waste (disposed) (kg)					
Lifecycle Stag						
A1	Raw material supply					
A2	Transport					
A3	Manufacturing					
A4	Transport to site					
A5	Construction/Installation					
B1	Use					
B2	Maintenance					
B3	Repair					
	· ·					
B4	Replacement					
B5	Refurbishment					
B6	Operational energy use					
B7	Operational water use					
C1	Deconstruction/Demolition					
C2	Transport to waste processing					
C3	Waste processing					
C4	Disposal					
D	Reuse-Recovery-Recycling potential					
Other Relevan	nt Terms					
SVHC	Substances of Very High Concern					
EC No.	European Community Number					
CAS No.	Chemical Abstracts Service Number					
MJ	Megajoule					
kg	Kilogram					
m³	Cubic Meter					
NMVOC	Non-Methane Volatile Organic Compounds					
Sb eq.	Antimony Equivalents					
P eq.	Phosphorus Equivalents					
N eq.	Nitrogen Equivalents					
CFC-11 eq.	Chlorofluorocarbon-11 Equivalents					
CO ₂ eq.	Carbon Dioxide Equivalents					
kg C	Kilograms of Carbon					
kg CO₂ eq.	Kilograms of Carbon Dioxide Equivalent					
ND	Not Declared					
EU27	Countries of the European Union					
kWh	kilowatt-hour					
VAAII	NIOWALL-IIUII					





Other Environmental Performance Indicators

None included

Additional Environmental Information

None included

Additional Social and Economic Information

None included

Information Related to Sector EPD

Not applicable

Version history

Original Version of the EPD, 2025-09-09

References

General Programme Instructions of the International EPD System[®], Version 5.0.1

EPD International Product Category Rules (PCR) for Construction Products, PCR 2019:14, Version 2.0.1

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