Environmental Product Declaration

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

Clayworks Rustic Finish

From

Clayworks

Programme:	The International EPD System, www.environdec.com
Programme operator:	EPD International AB
Licensee:	n/a
Type of EPD:	EPD of a single product from a manufacturer
EPD registration number:	EPD-IES- 0031636:001
Version date:	2026-08-31
Validity date:	2031-08-30
	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



GENERAL INFORMATION

Programme Information	
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

Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): (PCR 2019:14 Construction Products, version 2.0.1
PCR review was conducted by: ***The Technical Committee of the International EPD System. A full list of members is available on www.environdec.com. The review panel may be contacted via support@environdec.com. Review chair: Rob Rouwette (chair), Noa Meron (co-chair)***

Third-party Verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via: ☒ **Individual EPD verification without a pre-verified LCA/EPD tool** Third-party verifier: *Dr. Carolina Szablewski, SAS WeLOOP, www.weloop.org* Approved by: International EPD System
Procedure for follow-up of data during EPD validity involves third party verifier: ☐ Yes ☒ No

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

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of 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: Clayworks Ltd
Address: Higher Bochym Workshops, Cury Cross Lanes, Helston, Cornwall, TR12 7AZ
Contact: Chris Curnow, info@clay-works.com

LCA practitioner: Dr Andrew Norton, Renuables Ltd *[renuables.co.uk]*
Description of the organisation: Clayworks pioneers the use of natural clay plasters and finishes within contemporary architecture and design. From its base in Cornwall, the studio creates sustainable materials for both interior and exterior environments. Each finish is composed of natural materials, refined for durability, consistency, and a quiet architectural presence. Working with architects and designers worldwide, Clayworks' portfolio spans cultural, hospitality, commercial, and residential projects across the globe.

Product-related or management system-related certifications:

- Euroclass A1 Fire Rating to EN 13501 and EN 15824 international standards
- ASTM E84
- Indoor Air Comfort GOLD, CDPH, Material Content Report, LEED Attestation, BREEAM Attestation, WELL Attestation
- ISO9001 Quality Management.

PRODUCT INFORMATION

Product name: Clayworks Rustic Finish Clay Plaster

Product identification: Clayworks Rustic Finish, non-pigmented





UN CPC code: 154000 (clay)

Manufacturing description: Clayworks clay plasters are unique blends and formulations of unfired clays mixed with other minerals in their manufacturing plant in Cornwall

Product description: Clayworks Rustic Finish embraces the full richness of clay, with a robust, earthy quality that carries natural depth and variation. Its coarser texture brings raw materiality to interiors, offering an elemental and enduring character.

Made from natural clay, this finish is breathable, non-toxic, and contributes to healthier indoor environments as required by our Indoor Air Comfort GOLD certification. Its ability to regulate humidity and soften acoustics complements its visual strength, ensuring that its striking presence also enhances comfort and wellbeing within a space.

Name and location of production site(s): Clayworks Limited, Unit 5, Higher Bochym Rural Workshops Cury Cross Lanes, Helston, Cornwall, TR12 7AZ UK

Further information can be found at: clay-works.com

CONTENT DECLARATION

Declared unit: 1 kg of packaged clay plaster product

Content of the product in the form of a list of materials and substances, and their mass:

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Earthen Material	1.0*	0	0

*Composition of final products has been deemed commercially sensitive information, so no further details are provided here.

The mass and the content of distribution and/or consumer packaging:

Packaging materials	Weight, kg	Weight-% (versus the product)
Unbleached kraft paper	0.0064	0.64
TOTAL	0.0064	0.64

Information on the environmental and hazardous/toxic properties of a substances contained in the product:

Dangerous substances from the candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight-% per functional or declared unit
None	N/A	N/A	N/A

At the date of issue of this declaration, there is no “Substance of Very High Concern” (SVHC) in concentration above 0.1% by weight in product or packaging, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals).

Other information on substances with hazardous and toxic properties:

Hazardous substances from the candidate list of SVHC	EC No.	CAS No.	Mass-% per product or declared unit
None	N/A	N/A	N/A

Note: the product as supplied contains dry powder and it is essential to wear an appropriate mask when opening the packaging and mixing the product.

The declared share of biogenic/recycled materials:

Product content	Mass, kg	Post-consumer recycled material, mass-% of product	Biogenic material, mass-% of product	Biogenic material, kg C/product or declared unit
Earthen Material	1.0*	0	0	0
TOTAL	1.0*	0	0	0

Packaging materials	Mass, kg	Mass-% (versus the product)	Biogenic material, kg C/product or declared unit
Unbleached kraft paper bag	0.0064	0.64	0.003
TOTAL	0.0064	0.64	0.003

1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO_2.

*Composition of final products has been deemed commercially sensitive information, so no further details are provided here.

Note: the product as supplied contains dry powder and it is essential to wear an appropriate mask when opening the packaging and mixing the product.

The boundary in time for the whole LCA model is 100 years.

LCA INFORMATION

This EPD is based upon an underlying LCA of the Clayworks manufacturing facility, with operational data obtained for 2025. The underlying LCA was conducted by Dr Andrew Norton, Renuables Ltd (http://renuables.co.uk/).

Declared unit: 1 kg of packaged clay plaster product.
This corresponds to an average density of 1410 kg/m^3 after application and curing.

Conversion factor to m^2
Recommended application thickness is 6-7mm resulting in an approximate coverage of 9 kg/m^2.
Please use the conversion factor of 9x to convert the reported results into m^2.

Reference service life: Mortars exposed to minor environmental load are expected to last for the lifetime of the building construction, that for common European buildings is estimated to be 60 years (Referring to ISO 15686-1, based on considered commercial lifetime of domestic, retail, office or industry buildings, indoor use and experiences in Sweden, Norway and France).

Time representativeness: 2025
Geographical scope: UK
Database(s) and LCA software used: Ecoinvent 3.11 was used for the background data with Simapro 10.3.0.1
Description of system boundaries: Construction product EPD: Cradle to gate with additional modules A1-A5, B1-B7, C1-C4 and module D. The EPD can be used as an information module in any life cycle stage B or C for a construction works. Some modules have nil entries because there is no impact.

More information:
https://clay-works.com/product-descriptions/

Cut-off criteria were based upon input flows being less than 1% of the total individually, subject to the sum of all flows being less than 5% of the total, and subject to verification that the impacts associated with such flows were not of a magnitude to affect the reported data significantly (less than 5% in total).

Characterization factors: The characterization factors stated in EN 15804+A2:2019 were Followed using the reference package EF3.1.

Electricity supply: For manufacture – contractual instrument – Octopus Energy for business.
Consisting of the following mix:

Generation Contribution	contribution 2025 %
Offshore wind	49
Onshore wind	28
Hydro	5
Solar	4
Nuclear	14

GWP = 0.044 kgCO2e/kWh

For Installation – residual electricity mix - GB grid mix assumed
GWP 0.378 kgCO2e/kWh

A1-A3: Product stage
Raw material sites and transport are based on actual delivery to and from the production plant as per 2025 audit as well as mass balance and losses. Office energy use is included in the manufacture energy. Manufacture energy covers the mechanical blending of raw materials to required composition and bagging as well as lighting and other axillary electricity use. Zero physical material losses were reported or assumed in modelling. Energy figures for production also based on 2025 audit.

A4: Transport to Construction Site
The assumption for module A4 is for transport to construction site of 100 km by logistics company, which is representative. Actual distances should be calculated as appropriate.

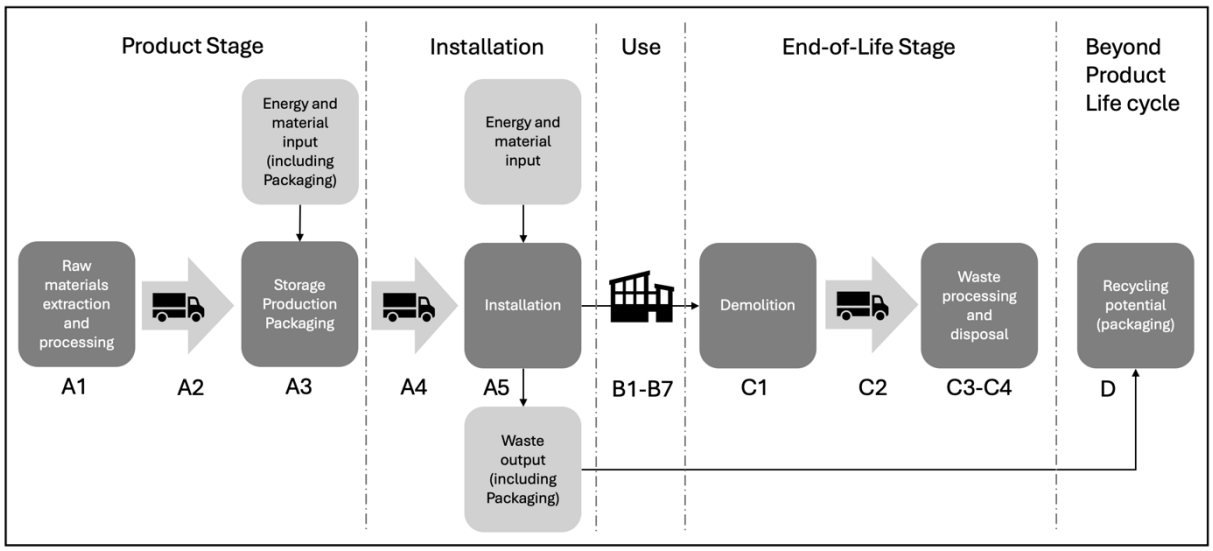
A5: Construction Installation
Assumptions for Module A5 are: adding water according to instructions (6.5 litres per 25kg bag for Rustic finish), mechanical mixing with paddle mixer based on a 1,200 watt (1.2 kW), for 3-minute batch mix consuming approx 0.06 kWh of electricity per 25kg bag of clay plaster (0.0024kWh per kg dry plaster).
The paper bag (0.0064kg / kg of product) is modelled as recycled (with biogenic CO_2 leaving the system) as this is the most likely EoL scenario for the paper bag given UK recycling rate of paper and card at 74.3%.

B1-B7: Use Stage
No maintenance is required during the lifetime of the product and the product will have an expected lifetime equal to that of the building. There is no requirement for operational energy or water. Adsorption and desorption of water from the product is not considered nor is any thermal effect caused by heat of wetting and evaporative cooling effect.

C1 End-of-life
The assumption of manual removal from the building and loading to truck at end of life with no further waste processing is applied.
C2: Transport
A transport distance of 10 km is assumed to local landfill site.
C3: Waste processing
As an inert material no waste processing is assumed.
C4: Disposal
The clay product at end of life is inert and can be safely added to soil or as an inert filler, but if incorrectly identified or informed, it might be landfilled. As both options entail the same mechanical application to land, a model for landfill has been used to cover both scenarios here to cover the most probable scenarios. Due to a lack of data for any benefits of application to land, no further benefits are calculated so the results for landfilling or land application are the same.

D: Impacts outside of system boundary
No benefit is assumed outside of the system boundary from the product EoL. Only the benefit from recycling of packaging is presented here with assumption of replacing virgin pulp.

Process flow diagram:



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

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage				Beyond product life cycle
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geography	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK
Share of primary data	>80%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	0%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%					-	-	-	-	-	-	-	-	-	-	-	-

Share of Primary Data and Data Quality:

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3	Data quality[2]		
						Te	Ti	Ge
Generation of electricity used in manufacturing of product	Energy supplier	Modelled with Ecoinvent v3.11	2024	Primary data	9.7%	VG	VG	VG
Transport of Raw material to manufacturing site	Database	Ecoinvent v3.11	2024	Primary data	70.9%	VG	VG	VG
Raw materials	Database	Ecoinvent v3.11	2021	secondary data	9.2%	G	G	G
Total share of primary data, of GWP-GHG results for A1-A3					81%	-	-	-

[1]Unknown – therefore 0%, [2](Te=technical, Ti=temporal, Ge=geographical; VG=very good, G=good, F=fair, P=poor, VP=very poor).

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 aspects of data quality and is not comparable across product categories.

ENVIRONMENTAL PERFORMANCE

LCA results of the product(s) - main environmental performance results

Mandatory impact category indicators according to EN 15804

Results per 1 kg of Rustic Finish Clay Plaster

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total	kg CO_2 eq.	6.08 E-02	1.02 E-02	1.18 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.02 E-03	0.00 E+00	5.28 E-03	-2.37 E-03
GWP-fossil	kg CO_2 eq.	6.89 E-02	1.02 E-02	9.94 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.02 E-03	0.00 E+00	1.04 E-05	-2.36 E-03
GWP-biogenic	kg CO_2 eq.	-8.42 E-03	6.45 E-06	1.08 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.45 E-07	0.00 E+00	5.27 E-03	0.00 E+00
GWP-luluc	kg CO_2 eq.	3.78 E-04	3.79 E-06	1.32 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	3.79 E-07	0.00 E+00	1.47 E-06	-1.02 E-05
ODP	kg CFC 11 eq.	1.52 E-09	2.31 E-10	1.00 E-10	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.31 E-11	0.00 E+00	2.17 E-09	-4.34 E-10
AP	mol H^+ eq.	2.63 E-04	2.47 E-05	3.76 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.47 E-06	0.00 E+00	5.00 E-05	-2.25 E-05
EP-freshwater	kg P eq.	1.35 E-05	7.44 E-07	2.56 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.44 E-08	0.00 E+00	5.41 E-07	-9.54 E-07
EP-marine	kg N eq.	7.79 E-05	6.51 E-06	7.79 E-07	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	6.51 E-07	0.00 E+00	1.73 E-05	-6.43 E-06
EP-terrestrial	mol N eq.	8.23 E-04	7.04 E-05	8.31 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.04 E-06	0.00 E+00	1.90 E-04	-7.11 E-05
POCP	kg NMVOC eq.	3.41 E-04	4.14 E-05	2.15 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.14 E-06	0.00 E+00	5.51 E-05	-1.97 E-05
ADP-minerals&metals*	kg Sb eq.	4.37 E-07	2.96 E-08	4.68 E-09	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.96 E-09	0.00 E+00	4.82 E-08	-6.55 E-08
ADP-fossil*	MJ	1.33 E+00	1.54 E-01	2.37 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.54 E-02	0.00 E+00	1.47 E-01	-3.67 E-02
WDP*	m^3	5.11 E-02	7.02 E-04	5.39 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	7.02 E-05	0.00 E+00	6.76 E-03	-9.88 E-03
Acronyms	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															

** Disclaimer: 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.*

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).

Additional mandatory and voluntary impact category indicators

Results per 1 kg of Rustic Finish Clay Plaster

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG[1]	kg CO_2 eq.	6.93 E-02	1.02 E-02	9.96 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.02 E-03	0.00 E+00	1.19 E-05	-2.37 E-03
Additional voluntary indicators e.g. the voluntary indicators from EN 15804 or the global indicators according to ISO 21930:2017																

Disclaimers shall be added, if required by EN 15804.

Resource use indicators

Results per 1 kg of Rustic Finish Clay Plaster

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	7.25 E-01	2.38 E-03	3.85 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.38 E-04	0.00 E+00	1.19 E-03	-2.48 E-01
PERM	MJ	2.00 E-05	0.00 E+00	1.74 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.45 E-04	-1.70 E-01
PERT	MJ	7.25 E-01	2.38 E-03	5.59 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	2.38 E-04	0.00 E+00	1.44 E-03	-4.18 E-01
PENRE	MJ	1.39 E+00	1.64 E-01	2.58 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.64 E-02	0.00 E+00	1.45 E-01	-3.92 E-02
PENRM	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
PENRT	MJ	1.39 E+00	1.64 E-01	2.58 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.64 E-02	0.00 E+00	1.45 E-01	-3.92 E-02
SM	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
RSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
NRSF	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
FW	m^3	5.74 E-09	0.00 E+00	2.10 E-04	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.55 E-04	-2.74 E-04
Acronyms	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 re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water															

[1] This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO_2 is set to zero.

Waste indicators

Results per 1 kg of Rustic Finish Clay Plaster															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	7.56 E-06	1.03 E-06	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.03 E-07	0.00 E+00	0.00 E+00	0.00 E+00
Non-hazardous waste disposed	kg	6.79 E-02	1.33 E-02	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	1.33 E-03	0.00 E+00	1.00 E+00	0.00 E+00
Radioactive waste disposed	kg	4.71 E-06	4.25 E-08	1.77 E-08	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	4.25 E-09	0.00 E+00	2.75 E-09	- 1.04 E-08

Output flow indicators

Results per 1 kg of Rustic Finish Clay Plaster															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Material for recycling	kg	0.00 E+00	0.00 E+00	6.40 E-03	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Materials for energy recovery	kg	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Exported energy, electricity	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00
Exported energy, thermal	MJ	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00	0.00 E+00

ABBREVIATIONS

Abbreviation	Indicator
GWP	Global warming potential (Fossil, biogenic, land use and transformation (LUT))
ODP	Depletion potential of the stratospheric ozone layer
AP	Acidification potential
EP	Eutrophication potential
POCP	Formation potential of tropospheric ozone
ADPE	Abiotic depletion potential – Elements
ADPF	Abiotic depletion potential – Fossil resources
WSP	Water scarcity potential
PERE	Primary energy resources – Renewable (use as energy carrier)
PERM	Primary energy resources – Renewable (use raw materials)
PERT	Primary energy resources – Renewable (total)
PENRE	Primary energy resources – Non-renewable (use as energy carrier)
PENRM	Primary energy resources – Non-renewable (use raw materials)
PENRT	Primary energy resources – Non-renewable (total)
SM	Secondary material
RSF	Renewable secondary fuels
NRSF	Non-renewable secondary fuels
NUFW	Net use of fresh water

General Abbreviations

Abbreviation	Definition
EN	European Norm (Standard)
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
CEN	European Committee for Standardization
SVHC	Substances of Very High Concern
ND	Not Declared

REFERENCES

- General Programme Instructions of International EPD System. Version 5.0.1 (published on 2025-02-27)
- PCR 2019:14. Construction Products. Version 2.0.1 (date 2025-06-05, valid until 2030-04-07).
- ISO 14040: 2006 Environmental management - Life cycle assessment – Principles and Framework
- ISO 14044: 2006 Environmental management - Life cycle assessment - Requirements and guidelines
- ISO 14025: 2005 Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures
- EN 15804: 2012+A2:2019 Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
- EN 15942:2011 Sustainability of construction works – Environmental product declarations – Communication format business-to-business
- CEN /TR 15941:2010 Sustainability of construction works – Environmental product declarations – Methodology for the selection and use of generic data
- Construction Products Regulation, Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

VERSION HISTORY

Version 1 of the EPD, EPD-IES- 0031636:001, 2026-08-31

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INTERNATIONAL EPD SYSTEM

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