



Paint Zero Wall and Ceiling Paint EN 15804 Compliant EPD Summary

Product Name: Paint Zero

Plant-Based Powder Paint – Wall and Ceiling Paint

Patent Reference: GB2628101B

Declared Unit: 0.3kg to make 1 litre of interior paint when mixed with 800 ml water.

Environmental Product Declaration (EPD) according to EN 15804

Program: Paint Zero Wall and Ceiling Paint

PCR: Product Category Rules for Construction Products (EN 15804)

Declared unit: 0.3 kg of composite product

Functional unit: 1 litre of interior paint, when mixed with 800ml of water and used as a coating material.

System boundary: Cradle-to-gate (modules A1–A3)

Geographical scope: Global average data

Product Description

This product is a composite formulation consisting of biopolymers, starches, minerals, and pigments for use in coatings. The declared product consists of 300 g measured which makes 1 litre of liquid interior paint when combined with 800ml of water at ~50C.

Life Cycle Inventory (LCI) Data

Impact Category	Unit	Module A1-A3 (Cradle-to-Gate)	Remarks
Global warming potential (GWP)	0.3kg CO ₂ eq.	0.681	Based on weighted sum
Ozone depletion potential (ODP)	0.3kg CFC-11 eq.	0.03E-6*	Estimated, low
Acidification potential (AP)	mol H+eq.	0.003*	Estimated
Eutrophication potential (EP)	0.3kg PO ₄ ³⁻ eq.	0.001*	Estimated
Photochemical ozone creation potential (POCP)	kg NMVOC eq.	0.006*	Estimated
Abiotic depletion potential – fossil fuels (ADP fossil)	MJ	7.5*	Estimated
Water use	m ³	0.0015*	Estimated

**These values are approximate proxies based on typical materials, to be refined with specific data.*



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Assumptions and Limitations

- Data based on cradle-to-gate impacts (production of raw materials and manufacturing).
- No transport or packaging impacts included.
- Excludes use phase and end-of-life modules.
- The product mix is representative of typical construction coatings.
- Data sources: Ecoinvent 3.9, literature LCA datasets, IPCC 2021 GWP.

Additional Information

- Biogenic carbon included where applicable.
- Cut-off criteria: Inputs less than 1% excluded.
- Product does not contain substances of very high concern (SVHC) per REACH.

Contact

Paint Zero Limited
12 Keyford Court, Frome, BA11 4BD, UK
www.paintzero.com

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