



Technical Data Sheet (TDS)

Product Name: Paint Zero

Plant-Based Powder Paint – Wall and Ceiling Paint

Patent Reference: GB2628101B

1. Description & Use

A paint for interior surfaces made from sustainable plant-based materials in powder form.

- Supplied dry in resealable pouches, to be mixed with tap water on-site.
- Offers a matt finish, excellent coverage, and a low-carbon, VOC-free, toxin-free formulation.
- Recommended for clean dry interior surfaces

2. Key Features

- 100% plant-based binder formulation, with natural minerals, salts and non-toxic pigments
- VOC-free, solvent-free, and microplastic-free
- Organically mould-resistant, anti-static and breathable
- Lightweight, with long shelf life in dry form
- Compostable packaging
- Reduced shipping emissions (lightweight powder format)
- Conforms to GB2628101B patent claims

3. Technical Data

Property	Value/Description
Appearance (dry)	Fine, free-flowing powder in white or off white
Appearance (wet)	Smooth emulsion in colour of choice
Finish	Matt
Coverage	Approx. 10–12 m ² per 1 litre mix
Dry Time	Touch dry: 1-2 hours mins, Recoat: 2- 4 hours
Shelf Life	Up to 5 years (tightly sealed, dry storage)

4. Application Instructions

1. Mix powder with specified amount of water (see pack).
2. Stir thoroughly for smooth consistency.
3. Apply to clean, dry surfaces with short nap roller, fine tipped brushes, or airless sprayer.
4. In normal conditions, drying time is 1-2 hours, recoat in 3-4 hours
5. Apply 2 coats for best results.



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5. Substrate Compatibility

- Plaster, gypsum, concrete, previously painted clean walls
- Not for exterior use unless otherwise tested

6. Packaging

- Supplied in biodegradable sachets or containers

7. Storage

- Keep tightly sealed in dry conditions
- Avoid humidity or direct sunlight

8. Performance Test Data

Test Type	Methodology	Result
VOC Content	ISO 11890-2	< 0.01 g/L (none detected)
Adhesion to Substrate	ASTM D3359	4B–5B
Scrub Resistance (Class 1-5)	ISO 11998	Class 2-3 depending on substrate
Opacity/Coverage (Contrast Ratio)	ISO 6504-3	>98%
Microplastic Shedding	In-house filtration	None detected
pH of mixed emulsion	pH meter	8.0 – 9.0

9. Usage Notes

- Absorbent surfaces: Dilute first coat with up to 10% more water
- If second coat is required, let first coat dry for 3-4 hours
- Store liquid Paint Zero in covered container in cool place, use within 4 days
- Rooms can be reused when Paint Zero is dry
- Curing: Full hardening and durability increase over 2 weeks
- Disposal: Paint Zero ingredients and packaging are bio-compostable