

WOOD FINISHES DIRECT

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For purchasing information visit:
Earthborn Bonding Primer

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All you need to know about...

Bonding Primer



A versatile water based primer for interior and exterior use. As part of the Earthborn Silicate Masonry Paint system, when applied over existing coatings, it creates a strong mechanical bond, helping the paint grip to the surface. For internal use, apply before Earthborn Claypaint to even out differences in surface absorbency.

Why choose Bonding Primer?

- **Perfect partner** for Earthborn Silicate Masonry Paint, on previously painted exterior surfaces
- **Supports** Earthborn Claypaint on mixed substrate or patchy walls by evening out absorbency
- **Medium breathability** – with an SD value of 0.35m
- **Trace VOC** – virtually no nasties, so it's kinder to your home and the planet

Where to use it

Perfect for use on a variety of interior and exterior surfaces:

- Sound, stable old coats of paint
- Over oil based paints (if mechanically sanded first)
- Poorly absorbent surfaces such as engineered brickwork, plaster and gypsum plaster boards
- High alkaline substrates (pH~11-12)

Bonding Primer promotes adhesion and evens out varying levels of absorbency, providing a reliable base for a consistent, high-quality finish with Earthborn's Claypaint and Silicate Masonry Paint.

Not suitable for: highly absorbent, untreated mineral surfaces (e.g. fresh lime plaster) synthetic resin renders, latex paints, plastic, wood, metal and glass. Surfaces treated to repel water are unsuitable, as their water-resistant properties prevent proper paint penetration and bonding.

Also avoid applying to areas affected by rising damp or salt deposits; this should be treated first to ensure proper adhesion.

Key Facts

Coverage:
Approx. 4-7m^2 per litre

Drying Time:
Touch dry around 1hour. Recoat or paint over in 4-6 hours. Based on standard conditions (20°C, 65% relative humidity). Temperature and humidity may affect drying time.

Colours:
White

Pack Sizes:
2.5L & 5L

Thinner:
Water (up to 5% for very absorbent substrates)

Before you start

Make sure all surfaces are in good condition, clean, dry, and free from dust, grease, or salts. All loose, flaking, or powdery paint must be removed.

What's inside?

Mineral fillers (inc. Calcium Carbonate, Kaolin, Dolomite), Water, Binder (VAE), Pigment (Titanium Dioxide), Thickener (Methyl Cellulose), Preservative (Isothiazolinone Mixture), Defoamer (vegetable oil-based), pH regulator.

Disclaimer: All technical advice and product recommendations are given in good faith, based on current knowledge and experience. However, actual use conditions are outside our control, and users are responsible for ensuring suitability for their specific project. Our liability is limited to the replacement value of supplied goods.

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How to apply

- Give it a good stir before starting
- Apply thin, even coats and keep a wet edge
- Finish full walls or sections in one go
- Use a flat brush, roller, or spray gun for best results
- Add up to 5% water to dilute on highly absorbent surfaces

Spray application

Airless pressure:	≥120 bar (approx. 1740 psi)
Flow rate:	2.5 litres/min
Coating thickness:	250–300 g/m²
Maximum nozzle size:	0.68 mm (527 tip)
Recommended nozzle size:	0.58 mm (523 tip)
Filter/Mesh:	Use an appropriate filter to prevent clogging the nozzle.

Safety first

Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Do not get in eyes, on skin, or on clothing. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. IF ON SKIN: wash with plenty of soap and water. May produce an allergic reaction.
Warning: Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Keep containers sealed and always keep the product out of reach of children. For full details, see the Material Safety Data Sheet.

Breathability and VOC's

Moisture Vapour Diffusion (V):
59.9g/m² /24

Water Vapour Resistance (Sd-Value):
0.35m (medium breathability)

Vapour Permeability Class:
Class 2 (Medium vapour permeable)

VOC Content:
Less than 0.1% (trace only) / < 0.5 g/L

A few important notes:

- Only paint when the temperature is above 8°C, and avoid direct sunlight, rain or cold weather for at least 24 hours after
- Make sure the walls are dry (moisture content under 15%) and fix any damp issues first to prevent future problems

Storage and disposal

- Store the primer in a cool, frost free place with the lid tightly shut
- Don't pour unused primer down the drain or into watercourses. Let it dry out and follow local disposal rules
- Recycle empty tins where possible

Need more help?

We're always happy to offer friendly advice. If you're unsure which primers or paints you need, or you're working on a listed or sensitive building, get in touch with our team enquiries@earthbornpaints.co.uk / 01928 734 171 or visit earthbornpaints.co.uk.

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