

Product Data Sheet 26

Eco Primer

1 Product Description

Eco Primer is a finely aggregated water-based sealer/primer with excellent adhesion and good opacity. It is designed to reduce the absorbency of substrates, even up the suction and provide a good key to ensure proper adhesion for Armourcoat polished plasters and ArmourColor decorative coatings.

2 Properties

- Water-based low odour product with zero VOCs.
- Excellent adhesion and good opacity.
- Supplied ready for use on site.
- Low splatter formulation.
- Finely aggregated for good mechanical key.
- 50% volume solids.
- 1.35g/ml density.
- Over coating time 4-8 hrs.

3 Health and Safety

Eco Primer is a non-combustible water based product with zero VOC content. It is non hazardous, but in keeping with good working practices, avoid prolonged skin contact. If contact with skin does occur, wash immediately with soap and water. If coating dries on skin it may be difficult to remove.

Please refer to Material Safety Data Sheet for further information.

4 Suitable Substrate

Eco Primer can be applied to the following surfaces:

- Plasterboard/drywall/sheetrock
- Jointing compound
- Existing plaster
- Previously decorated surfaces
- MDF
- Plywood
- GRG

Both MDF and plywood can create staining and discoloration of plaster finishes if they are not correctly sealed. Eco Primer is not a stain blocking primer, and therefore it may be necessary to apply an oil-based primer prior to the application of Eco Primer. For any applications to MDF or plywood surfaces please consult SSS7.

5 Application Instructions

The surface should be clean, dry and firm. All loose material including old paint should be removed prior to Eco Primer application.

Ensure Eco Primer is stirred well before use.

Eco Primer can be applied with a brush/roller straight from the pail or with conventional/airless spray. For highly absorbent substrates 2 coats of Eco Primer may be required. Allow the first coat to dry fully (approximately 4-8 hours under good drying conditions) before over-coating.

6 Test Data

6.1 VOC Testing

A sample of Armourcoat Eco Primer was tested for VOC following procedures outlined in ASTM D6886 with a 280 degree C cut off (Green Seal) and a 0.05% detection limit:

No VOC's were detected within these parameters for the Eco Primer.

Using 0.05% as an upper limit and the density provided for this product the VOC content is less than 0.67 g/l for the product.

Testing was carried out by an Accredited American testing laboratory.

6.2 Adhesion Testing

A sample of Armourcoat Eco Primer was tested for Adhesion following procedures outlined in ASTM D3359. The material was applied to a layer of well cured porous Gypsum skim plaster and tested after 7 days of drying. Three tape adhesion tests were performed and the result was rated on a score of 0 to 5 as described in the procedure, where 0 is the lowest score and 5 is the highest.

The Eco-Primer received a rating of 3 to 4. An industry standard received a score of 0 to 1.

7 Coverage Rates

Coverage rate approximately 7 - 10 m²/kg. One 12 kg unit will cover approximately 100 m² (1000 ft²).

8 Storage

Store in good dry conditions between 5 – 25°C. Protect from frost. Protect from sunlight and sources of direct heat. Keep container sealed when not in use.

Shelf life of Eco Primer in an unopened container under correct storage condition is 12 months from date of manufacture.

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