

Product Data Sheet 8

K40 Primer

1 Product Description

K40 Primer is a finely aggregated water-based primer designed to reduce absorbency of substrates, even up the suction and provide a good key to ensure proper adhesion for Armourcoat polished plaster, Armuralia and Duturo.

2 Properties

- Excellent alkali resistance.
- Water based product range with low VOC emissions and low odour.
- Supplied ready for use on site.
- Low splatter formulation.
- Finely aggregated for good mechanical key.
- Viscosity Shear thinning 4000Cp +/- 1000 Cp.
- Density 1.25kg/L.
- Solids content ~ 40%.

3 Health And Safety

K40 Primer is a non-combustible water based product with low 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.

4 Suitable Substrates

K40 Primer can be applied to the following surfaces:

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

For highly absorbent or friable surfaces we recommend the application of a 1:5 R13 Resin : water solution to stabilise the surface prior to the application of the K40 Primer.

We have found from experience that Thistle Multi-Finish and all Universal one coat plasters would be deemed to be highly absorbent.

Both MDF and plywood can create staining and discoloration of plaster finishes if they are not correctly

sealed. K40 is not a stain blocking primer, and therefore we recommend the application of an oil-based primer prior to the application of K40 Primer.

For any applications to MDF or plywood surfaces please consult SSS7.

5 Applying K40 Primer

Ensure substrate is clean, dry and free from dirt and loose friable material.

K40 Primer can be applied with a roller, paint pad or brush straight from the pail. For highly absorbent substrates 2 coats of K40 will be required. Allow the first coat to dry fully (approximately 2-4 hours under good drying conditions) before over-coating.

* Please note

Good drying conditions referred to means good ventilation and air circulation. Using fans, even in warm conditions, will greatly accelerate drying. In very damp or humid conditions, it will also help to use a de-humidifier. If heat is used, it should not be directed at the finish and must not be damp heat as is created by gas burners.

6 Test Data

6.1 VOC Testing

A sample of Armourcoat K40 Primer was tested for VOC following procedures outlined in ASTM D3960 "Standard Practise for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings."

Sample	VOC (grams/litre)	VOC (Lbs/Gal)
K40 Primer	152	1.3

Testing was carried out by an Accredited American testing laboratory.

7 Coverage Rates

Coverage rate approximately 8-12 m²/ kg. One pail will cover approximately 100 – 150 m² (1000 - 1500 sq feet).

8 Storage

Store in 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 K40 Primer in unopened container under correct storage conditions is 12 months from date of manufacture.

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