

## TECHNICAL DATA SHEET

### UNIVERSAL PRIMER

**Solvent-borne primer providing a good base for decoration on correctly prepared plaster, metal and wood. Also suitable for cleaned and new galvanised surfaces. Universal Primer acts as a good rust inhibitor.**

#### AVAILABILITY

**Colour range** White.  
**Packaging** 2.5 & 5 litres.

#### PROPERTIES

**Drying time** Under normal drying conditions touch dry in 6-8 hours, recoatable after 16 hours. Allow for adequate ventilation during the drying period.

**Finish** Matt.

**Composition** Pigment: Titanium Dioxide, anti corrosive pigments and extenders.  
Resin: Alkyd / oleoresinous.  
Solvent: Dearomatised White Spirit.

**Spreading rate** 12-15m<sup>2</sup> per litre depending on surface texture and porosity.

**Wet film thickness** 67 micrometres at 15m<sup>2</sup> per litre.

**Dry film thickness** 34 micrometres at 15m<sup>2</sup> per litre.

**Volume solids** 51% White other colours will vary.

**Flash point** 40°C (closed cup)

**VOC content** EU limit value for this product (cat.A/g): 350 g/l (2010)  
This product contains max. 349 g/l VOC.

**Limitations** Do not apply when air or substrate temperatures are likely to fall below 5°C or when the relative humidity is above 80% during application or the drying period.

#### PREPARATION

##### New surfaces

**Timber** All surfaces must be suitably dry, and free from anything that will interfere with the adhesion of the materials to be applied. Rub down with a suitable grade of abrasive paper and round sharp edges 1-3mm. Remove all dust. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with Sandtex Trade Ready Mixed Filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Prime with one coat of Macpherson Universal Primer.

##### All metals including galvanised

Surfaces must be clean and free from anything that will interfere with the materials to be applied. Wash with hot water and liquid detergent solution to remove oil, grease or any other contaminants, frequently changing the water. Rinse thoroughly with clean water. Allow to dry. Galvanised surfaces should be pre-treated with Decorators Choice Passivating Wash. Overall blackening of the surface will confirm satisfactory surface preparation.

##### Additional surface preparation – all metals

**Non-ferrous metals** Lightly abrade to a bright (not polished) surface - excluding galvanised surfaces. Rinse thoroughly with clean water to remove all residues. Allow to dry. Prime, including galvanised surfaces, with one coat of Macpherson Universal Primer.



**Ferrous metals** Remove all millscale and rust back to bright metal. Remove all residues. Prime within the working day with one coat of Macpherson Universal Primer.

**Previously decorated surfaces**

**Timber** All surfaces must be suitably dry, and free from anything that will interfere with the adhesion of the materials to be applied. Remove all loose, and failing or suspect paint. Prior to painting the moisture should not exceed 18%. Remove grey and denatured surfaces by rubbing down with abrasive paper or by mechanical means. Feather edges of sound paint. Remove all dust. Organic growth must be removed and the areas treated with Crown Trade Fungicidal Solution. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with Sandtex Trade Ready Mixed Filler or a two pack proprietary wood filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Spot prime all bare woodwork with one coat of Macpherson Universal Primer.

**Metals** All surfaces must be suitably dry, and free from anything that will interfere with the adhesion of the materials to be applied. Remove all loose, and failing or suspect paint. Feather edges of sound paint. Remove all dust. Remove all rust. Spot prime ferrous metals with one coat of Macpherson Universal Primer. Spot prime non-ferrous metals including galvanised metal with one coat of Macpherson Universal Primer.

**Timber and metals** Wash remaining sound paint with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Wet abrade to provide a key. Rinse with clean water to remove all residues. Allow to dry. Bring forward spot primed area with one coat of Macpherson Undercoat.

**COATING SYSTEM** Apply one or two coats as preferred.

**APPLICATION** Stir well before use. Apply by brush or roller. Prior to application of the primer, the moisture content of timber substrates should not exceed 18%. On timber lay off in the direction of the grain. Maintain a wet edge.

**CLEANING** Return surplus material to container. Clean with a proprietary cleaner immediately after use.

**MAINTENANCE INFORMATION FOR CDM FILE**

Between maintenance redecoration surfaces may be washed with a warm water and liquid detergent solution to remove surface dirt.

**HEALTH AND SAFETY**

Please refer to the Safety, Health and Environmental Information on the container. Take special precautions during the surface preparation of pre 1960's painted surfaces as they may contain harmful lead. For further information contact our Customer Relations Team. When preparing all surfaces avoid the inhalation of dust and/or metal particles. Wear a suitable facemask. Material Safety Data Sheets for this and all other Crown Paints products are freely available from the place of purchase or the address below. Store in secure dry conditions between 5°C & 40°C and inaccessible to children or animals. Containers should be kept closed during storage. Do not empty into drains, watercourses or access routes to septic tanks.

**GENERAL INFORMATION**

Apply all products in accordance with BS 6150: Code of practice for painting of buildings and BS 8000: Part 12: 1989 Code of practice for decorative wallcoverings and painting. Under normal and frost free conditions this product will remain usable for up to two years if stored correctly and unopened.

Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. Crown Paints are unable to guarantee results as it has no control over the conditions under which its products are applied. For help or more information contact the Customer Relations Team on 0330 024 0313. Before using this product please ensure you have the latest information.

The information is correct at date of issue January 2016.

For further details on any products in the Macpherson Trade Paints range please call the Customer Relations Team on **0330 024 0313** or visit the Macpherson website: [www.macphersontrade.co.uk](http://www.macphersontrade.co.uk)

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