

## STRONGHOLD EXTERIOR GLOSS SYSTEM

A solvent-borne high performance flexible gloss system incorporating a premium quality combined primer / undercoat. Formulated for the long term protection of exterior timber. Can also be used on suitably primed metal and PVC-u.

### AVAILABILITY

Colour Range Refer to current Crown Trade Literature.

Packaging 2.5 litre.

### PROPERTIES

Drying Time Under normal drying conditions dry and recoatable after 16 hours.

Finish Primer Undercoat : Eggshell.  
Gloss : Gloss.

Composition Pigment: Titanium Dioxide, lightfast coloured pigments, extenders in Primer Undercoat.  
Resin: Flexible alkyd.  
Solvent: Dearomatised White Spirit.

Spreading Rate Primer Undercoat : 15m<sup>2</sup> per litre depending on surface texture.  
Gloss: 17m<sup>2</sup> per litre on smooth surfaces.

Wet Film Thickness Primer Undercoat: 67 micrometres at 15 m<sup>2</sup> per litre.  
Gloss: 59 micrometres at 17 m<sup>2</sup> per litre.

Dry Film Thickness Primer Undercoat and Gloss: 28-30 micrometres at 15/17m<sup>2</sup> per litre.

Volume Solids 45% White and Pastel Primer/Undercoat other colours will vary.  
50% Brilliant White Gloss other colours will vary.

Flash Point 40°C (closed cup).

VOC Content - Gloss EU limit value for this product (cat.A/d): 400 g/l (2007) / 300 g/l (2010) This product contains max. 299 g/l VOC.

VOC Content - Undercoat EU limit value for this product (cat.A/g): 450 g/l (2007) / 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 8°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. Timber with oils/extractives must be swabbed with clean dearomatised white spirit, frequently changing the face of the cloths. 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. Prior to priming the moisture content of the substrate should not exceed 18%. Prime with one coat of Crown Trade Stronghold Exterior Primer Undercoat.

#### 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 Crown Trade 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 Crown Trade Universal Metal Primer. Undercoat with one coat of Crown Trade Stronghold Exterior Primer Undercoat.

### **Ferrous metals**

Remove all millscale and rust back to clean metal. Remove all residues. Prime within the working day with one coat of Crown Trade Universal Metal Primer. Undercoat with one coat of Crown Trade Stronghold Exterior Primer Undercoat.

## 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, 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 and round sharp edges 1-3mm. Feather edges of sound paint. Remove all dust. Organic growth must be removed and the area treated with Crown Trade Fungicidal Solution. Remove any defective putty glazing, clean and prime rebates, replacement putties must be allowed to form a hard skin. 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 bare and filled areas with one coat of Crown Trade Stronghold Exterior Primer Undercoat.

### **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 and spot prime ferrous metals with one coat of Crown Trade Universal Metal Primer. Spot prime non-ferrous metals including galvanised metal with one coat of Crown Trade Universal Metal 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 areas and undercoat overall with one coat of Crown Trade Stronghold Exterior Primer Undercoat.

## **COATING SYSTEM**

Apply two coats of Crown Trade Stronghold Exterior Gloss to new surfaces and one or two coats as required to previously painted surfaces. Maintain a wet edge.

## **APPLICATION**

Stir well before use. Apply by brush to an even thickness (a fine, soft long filament bristle brush gives best results). Maintain a wet edge. On timber lay off in the direction of the grain.

## **CLEANING**

Return surplus material to container. Wash with clean water 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 the Crown Trade 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 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: 2006 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 is unable to guarantee results as it has no control over the conditions under which its products are applied.

Before using this product please ensure you have the latest information.

For help or more information contact the Crown Trade Customer Relations Team on:

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Fax: 0845 389 9584

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This information is correct at date of issue January 2009.



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