

TECHNICAL DATA SHEET



FLEXARB OPAQUE FINISH

Crown Flexarb Opaque Finish is a satin opaque, water repellent, flexible, medium solids coating for the decoration and protection of all exterior timber including doors, windows, fencing and cladding. This microporous system moves with the timber substrate as it expands and contracts, maintaining a smooth surface resistant to cracking, peeling and flaking.

AVAILABILITY

Colour Range White, Black & Brown.

Packaging 1 & 5 litres.

PROPERTIES

Drying Time (@21°C & 60%RH) Under normal drying conditions touch dry in 6-8 hours, recoatable after 16-24 hours. Allow for adequate ventilation during the drying period.

Finish Satin.

Composition Pigment: Coloured Pigments.
Binder: Alkyd resins.
Solvent: Dearomatised White Spirit.

Spreading Rate Up to 15m² per litre on smooth surfaces, on rough sawn timber the spreading rate will be reduced.

Wet Film Thickness 66 micrometres at 15m² per litre.

Dry Film Thickness 32 micrometres at 15m² per litre.

Volume Solids 47.5% White other colours will vary.

Flash Point 40°C.

VOC Content EU limit value for this product (cat.A/e): 500 g/l (2007) / 400 g/l (2010) This product contains max. 399 g/l VOC.

LIMITATIONS

Do not apply when there is risk of rain, or when air/substrate temperatures are likely to fall below 8°C or when the relative humidity is above 80% during application or drying period. . Failure to meet these requirements may adversely affect the drying, visual quality and durability of the finish.

SURFACE PREPARATION

General Timber surfaces must be suitably prepared, clean, sound and dry. Any grey denatured exposed timber surfaces must be mechanically sanded back to clean, bright timber. The moisture content should not exceed 18% prior to coating. Resinous deposits should be removed. Degrease any exposed bare timber surface by wiping with a cloth dampened with methylated spirits. Treat knots with two thin coats of fresh knotting. Fillers specifically designed for use with timber should be used for making good any minor surface defects, imperfections and open joints etc. General or All Purpose fillers are not suitable.
Only use non - ferrous screws, nails and fixings.

New Timber Any non preservative treated softwood timber should be treated with two liberal coats of **Crown All Purpose Wood Preserver**, paying particular attention to end grains, allowing 24 hours drying time between coats and 72 hours before overcoating with **Crown Flexarb Opaque Finish**. Where possible, the first coat should be applied all round prior to fixing.

Previously Decorated Surfaces 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 coatings. Prior to treatment the moisture content should not exceed 18%. Remove all dust. Organic growth must be removed and the areas treated with Crown Trade Fungicidal solution. Spot prime any bare areas with **Crown Flexarb Opaque Finish**. Wash remaining sound coatings with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Rinse with clean water to remove all residues. Allow to dry. Bring forward spot primed areas with one coat of **Crown Flexarb Opaque Finish**.

Glazing	The backs of new glazing beads, end grains and rebates should be brought to a finish with Crown Flexarb Opaque Finish prior to fixing. Joinery to be coated with Crown Opaque systems should be glazed using a suitable sealant. The use of linseed oil putty or modified, non-setting compounds are not recommended in conjunction with our wood protection systems. To confirm compatibility, please consult the manufacturer of the relevant glazing material. Silicone glazing materials should only be applied upon completion of the finishing coats.
Initial Procedure	Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced. Crown Flexarb Opaque Finish is supplied ready for use. Do not thin.
APPLICATION	Crown Flexarb Opaque Finish should be applied in a full flowing coat ensuring all surfaces and end grains are fully coated. For best results use a good quality, long haired, soft bristled brush. Pay special attention to end grain, tops and bottoms of doors, and undersides of cills. Following surface preparation in accordance with the manufacturers recommendations, finish with two full coats of Crown Flexarb Opaque Finish allowing a minimum of 16 hours drying between coats.
MAINTENANCE	The need for maintenance is indicated by a lightening in colour, reduction in sheen as the coating erodes, and a loss of water repellence. All defective coatings should be completely removed. Any grey denatured exposed timber surfaces must be mechanically sanded back to clean, bright timber. Organic growths must be removed and infected surfaces should be treated with a suitable fungicidal solution. Remaining sound surfaces should be cleaned using a warm water and mild detergent and rinsed thoroughly with clean water. Bare timber should be patch primed with one coat of Crown Flexarb Opaque Finish . Finish with 1 or 2 coats of Crown Flexarb Opaque Finish as required.
COATING SYSTEM	Apply two or three full coats of Crown Flexarb Opaque Finish as required.
CLEANING	Clean brushes and equipment with a proprietary brush cleaner immediately after use. If spilled, Crown Flexarb Opaque Finish should be removed immediately while still wet, using clean white spirit.
STORAGE	The container should be resealed after use and stored tightly closed to prevent evaporation of the product and entry of air. Store in cool, dry, frost-free conditions.
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 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	<p>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.</p> <p>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.</p> <p>Before using this product please ensure you have the latest information. For help or more information contact the Crown Trade Customer Relations Team on: Tel: 0845 389 9583 Fax: 0845 389 9584 e-mail: info@crowntrade.co.uk website: www.crowntrade.co.uk</p> <p>Crown, the Crown logo and Flexarb are trade marks of Crown Brands Limited. This information is correct at date of issue Feb 2010.</p>

