

TECHNICAL DATA SHEET



TIMONOX UPGRADE BASECOAT

A water-based, high build coating which, in contact with the heat of fire, produces a thick intumescent layer, insulating and protecting the underlying combustible substrate. Crown Trade Timonox Upgrade Basecoat must be overcoated with a suitable Timonox Finish.

AVAILABILITY

Colour Range White.

Packaging 5 litre.

PROPERTIES

Drying Time Under normal drying conditions, surface dry after 1 hour and recoatable after 4-6 hours. Allow for adequate ventilation during the drying period.

Finish Matt.

Composition Pigment: Titanium Dioxide and extenders.
Binder: Vinyl copolymer.
Solvent: Water.

Spreading Rate Up to 2.5* m² per litre on a smooth surface.

Wet Film Thickness 400* micrometres, @ 2.5m² per litre.

Dry Film Thickness 200* micrometres @ 2.5m² per litre.

***These figures correspond to those quoted on the Fire Test Report and show the minimum film build required.**

Volume Solids Approximately 50%.

VOC Content EU limit value for this product (cat.A/i): 140 g/l (2010) This product contains max. 2 g/l VOC.

Heat insulation At the elevated temperatures of a fire the intumescent reaction produces a carbonaceous foam. This provides excellent heat insulation reducing heat transfer to the underlying surface.

Limitations For interior use only. Do not apply when air or substrate temperatures are likely to fall below 8°C, or when relative humidity is above 80% during application or the drying period. Crown Trade: Intumescent Basecoat must be overcoated with a Fire Tested Timonox Finish - refer to appropriate Timonox Finish Technical Data Sheet. Do not use on surfaces subject to heavy condensation, even when protected with a Crown Trade Timonox Finish.

Timonox Systems are designed to maintain or improve flame retardancy of a surface. They will NOT impart fire resistance as detailed in BS 476: 1986 Parts 21-24 or their European equivalent tests.

PREPARATION

New Surfaces **Timber, plywood and MDF** 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. Remove all dust. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with a proprietary filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Apply one coat of Crown Trade Timonox Upgrade Basecoat as defined in a Fire Test Report.

Unstable surfaces On extremely chalky, powdery or unstable surfaces Crown Trade Stabilising Solution should be used.

Previously decorated soiled 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 paint. 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 a proprietary filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Wash remaining sound paint with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Any glossy or eggshell surfaces should be wet abraded to provide a key. Rinse with clean water to remove all residues. Allow to dry. Spot prime bare areas of bare wood based surfaces, and bring forward with one coat of Crown Trade Timonox Upgrade Basecoat.

COATING SYSTEMS

For fire test reports of systems tested refer to the relevant Timonox Finish Technical Data Sheet.

APPLICATION

Stir well before use. Apply by brush, roller or airless spray (thinning may be required). For spray application, refer to the Crown Trade Timonox Airless Spray Application Guidelines (Technical Data Sheet).

NOTE: Timonox Upgrade Basecoat forms part of fire tested systems. The application rates quoted, and consequent dry film thickness, must be achieved to ensure that the required level of fire protection is provided.

CLEANING

Return surplus material to container. Wash with clean water immediately after use.

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. Do not store below 5°C or above 40°C. 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:
Tel: 0330 0240297
Fax: 0330 0240278
e-mail: info@crowntrade.co.uk
website: www.crowntrade.co.uk

This information is correct at date of issue September 2015.



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