



TECHNICAL DATA SHEET

Cetol BL Unitop

Description

Waterborne, clear protective topcoat for interior use for various substrates.

Main properties / USPs

GENERAL

Good mechanical resistance

Quick drying

Excellent cleanability

Reduces dirt-pick-up

Low odor

Satin finish

Non-yellowing

Use

As a protective topcoat on various dispersion paint systems or directly on timber or masonry substrates.

Gloss

Satin, approx. GU/60° (ASTM D523)

Colour

Clear varnish

Density

Approx. : 1,03 kg/dm³

Packaging viscosity

Approx. : 0,3 – 0,5 Poises at 23°C

Solids content

By weight : Approx. 30 %

By volume : Approx. 27 %

Volatile Organic Compound

Approx. : 95 g/L.

Drying at 20°C/65% RH

Dust dry : After approx. 2 hours

Dry to handle : After approx. 3 hours

Recoatable : After approx. 16 hours

Outdoor durability

Not applicable, only for indoor use.

Durability depends greatly on quality of substrate, the quality of the construction and glass setting as well as the quality of the indoor paint-work.

SYSTEM SPECIFICATION

Timber moisture content

Moisture content of timber to be coated should not exceed 16%

Porous substrates, such as brickwork, concrete bricks etc.: apply one or two coats of Cetol BL Unitop.

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New timber

Damaged or decayed timber All damaged or decayed timber

	<p>must be removed</p> <p>Degrease any exposed bare timber surface by wiping with a cloth dampened with methylated spirits. Certain timber species contain high levels of natural wood extractives or exudates and some softwoods can be highly resinous. Resinous deposits should be removed with a scraper. Any remaining residues should be removed using a lint-free cloth dampened with methylated spirits, frequently changing the face of the cloth. Allow solvent to evaporate fully before overcoating. The use of both eye and hand protection is strongly advised.</p>
Damaged or decayed timber	<p>Damaged or decayed timber All damaged or decayed timber must be removed</p> <p>All damaged or decayed timber must be removed and replaced, cutting at least 25mm into sound timber. We do not recommend the use of wood hardeners. Secure any new spliced-in timber with non-ferrous fixings and fill all voids surrounding the spliced in area with the appropriate primer/filler system.</p>
Product Application	<p>Conditions: Do not apply when air/substrate temperatures are below 8oC or above 25oC during application or drying periods.</p> <p>Protect from frost until dry. Failure to meet these requirements may adversely affect the drying, visual quality and durability of the finish.</p>
Initial procedure	<p>Ensure product is thoroughly stirred before and during application, otherwise sheen variations may be experienced.</p> <p>Cetol BL Unitop is supplied ready for use. Do not thin.</p> <p>For best results use a good quality synthetic-fibre brush specifically designed for the application of water-borne products.</p>
	<p>APPLICATION INFORMATION</p>
Application conditions	<p>Temperature between : 8 – 30°C</p> <p>Relative humidity maximum : 85%</p>
Application methods	<p>Apply the product in a full flowing coat, laying off in the direction of the grain, using the minimum number of brushstrokes required to produce an even finish. Avoid overbrushing, which creates brushmarks and will reduce the protection afforded.</p> <p>This initial coat should satisfy the porosity/absorption of the timber.</p> <p>Carefully denib the first coat using a fine grade nylon abrasive pad or a fine grade (P240 or finer) wet or dry silicon carbide abrasive paper. Remove all dust.</p> <p>Three coats of Cetol BL Unitop should be applied, allowing a minimum of 5 hours drying time between coats.</p>
Cleaning of equipment	<p>Clean the brushes and equipment immediately with lukewarm water.</p> <p>Do not use hot water.</p>
Advised layer thickness	<p>Dry : Approx. 15 microns per coat</p>

At 20°C/65% RH

Theoretical coverage

Practical coverage

Wet : Approx. 50 microns

Dry layer thickness 15 microns, approx. 18 m²/Liter

Dry layer thickness 15 microns, approx. 16,5 m²/Liter.

Coverage greatly depends on the wood species under treatment, the surface condition, and the method and of application and conditions during application.

HEALTH & SAFETY INFORMATION

Always read full Health, Safety & Environmental Information on can before use. Safety datasheet is available free on request.

ADDITIONAL INFORMATION

Product available in clear only

Packaging size

Shelf life

Storage conditions

1 L, 2½ L and 5 Liter

Minimum 12 months in unopened packaging,

Keep in a cool frost-free place

Stored in dry warehouse at temperatures between 5 – 30°C

The effectiveness of our product and systems is based on years of practical experience and research in our laboratories. We guarantee that the quality of the work on which our products are used meets the qualifications (Akzo Nobel Decorative Coatings bv) has promised, provided that all instructions given by us are correctly followed and the work has been carried out according to good craftsmanship. In case the end result has been influenced negatively by circumstances beyond our control, any and all liability are expressly excluded and disclaimed. Purchaser needs to check whether the delivered products are fit for the intended use. As soon as a new version of this (technical data sheet) is available, this one will no longer be valid.