



For internal company use only

TECHNICAL DATA SHEET

Cetol BL Unitop

Description

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

Main properties / U.S.P.'s

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.

Selling profit Centers

International product, sold in:

Austria, Belgium, Germany, the Netherlands, and Switzerland.

Gloss

Satin, approx. GU/60° (ASTM D523)

Color

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

Recoatible : 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 must be removed

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.

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Damaged or decayed timber

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 **Componex WR** Primer/filler system.

Product Application

Conditions: Do not apply when air/substrate temperatures are below 8oC or above 25oC during application or drying periods.

Protect from frost until dry. Failure to meet these requirements may adversely affect the drying, visual quality and durability

of the finish.

Initial procedure

Ensure product is thoroughly stirred before and during application, otherwise sheen variations may be experienced.

Cetol BL Unitop is supplied ready for use. Do not thin.

For best results use a good quality synthetic-fibre brush specifically designed for the application of water-borne products.

APPLICATION INFORMATION

Application conditions

Temperature between : 8 – 30°C

Relative humidity maximum : 85%

Application methods

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.

This initial coat should satisfy the porosity/absorption of the timber.

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.

Three coats of **Cetol BL Decor** should be applied, allowing a minimum of 5 hours drying time between coats or a two coat

application onto a coloured coating such as **Cetol BL Decor** for protection.

Cleaning of equipment

Clean the brushes and equipment immediately with lukewarm water.

**Advised layer thickness
At 20°C/65% RH**

Do not use hot water.

Dry : Approx. 15 microns per coat

Wet : Approx. 50 microns

Theoretical coverage

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

Practical coverage

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

Formulation

Berlin: DE-STR F 99-01792

MM-standard

Not applicable

Flash point (DIN 53213)

> 100° C

Transport code (ARD)

ADR : Not restricted UN: --

VbF : Entfällt

Risk & Safety phrases

Danger classification : Not applicable

Contains : --

Risk phrase(s) : --

Safety phrase(s) : S02, S46, S51

See also "Safety Data Sheet"

For latest release on "Safety Data Sheet" please contact your Information & Material Management (IMM) at least once per year

Statutory regulations

The user of this product is required to comply with the national statutory regulations for health and safety at work and waste disposal.

Transport of empty containers

Dirty empty packaging fall under restricted waste transportation and must carry the original Akzo Nobel Coatings labeling. Surplus paints can not be offered to public waste disposal without permission of the authorities All waste disposals must be arranged in agreement with the local authorities.

Ventilation requirements

Minimum Ventilation Requirement to comply with:

Occupational Exposure Limit (OEL) : 200 m³ air / Liter paint

Minimum Ventilation Requirement to comply with:

Safety explosion limit (10% LEL) : 20 m³ air / Liter paint

See also "Safety Data Sheet".

ADDITIONAL INFORMATION

Article number (SAP)

Pack size	Color / Reference	EAN-code
1 L	Clear	8711115048253

Article number (SAP)

Pack size	Color / Reference	EAN-code
2½ L	Clear	8711115017266

Article number (SAP)

Pack size	Color / Reference	EAN-code
5 L	Clear	8711115058122

Packaging size

1 L, 2½ L and 5 Liter

Shelf life

Minimum 12 months in unopened packaging,

Storage conditions**Production location**

Keep in a cool frost-free place

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

Cologne, Germany

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.