



For internal company  
use only

**Description**

**Main properties /  
U.S.P.'s**

**Use**

**Selling profit Centers**

**Gloss  
Color**

**Density  
Packaging viscosity  
Solids content**

**Volatile Organic  
Compound  
Drying at 20°C/65% RH**

**Outdoor durability**

**Timber moisture content  
Timber quality**

**New or stripped timber  
(Traditional method)**

**New wood  
(Semi-industrial system)**

**Maintenance on intact  
waterborne stain**

## TECHNICAL DATA SHEET

### Cetol BL 31

Waterborne, translucent satin finish for exterior use.

#### GENERAL

Good flow

Micro porous

Great ease of application

Prevents softwoods from greying

Fully translucent (not milky)

Enhances the wood texture

As a finish on non dimension stable/semi-stable and stable hard- or soft-wooden structural timber elements.

Very suitable for constructions with large timber surface areas such as claddings, balconies railings, garden fences etc.

International product, sold in Austria, Belgium, France, Germany, Italy, the Netherlands, Switzerland and Spain.

#### PROPERTIES

Satin, approx. 30 – 40 GU/60° (ASTM D523)

Cetol BL 31 is available in the standard natural wood colors.

All colors of Cetol BL 31 can be blended in any proportion.

The ultimate color effect strongly depends on the layer thickness and the wood species to which Cetol BL 31 is applied.

Approx. : 1,04 kg/dm<sup>3</sup>

Approx. : 1,2 – 1,6 poises, 20°C / 2500 1/s

By weight : Approx. 41 %

By volume : Approx. 35 %

Approx. 115 g/L.

Dust dry : after approx. 30 minutes

Dry to handle : after approx. 3 hours

Recoatable : after approx. 6 hours

Approx. 2 – 3 years,

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

#### SYSTEM SPECIFICATION

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

Structural timber elements should be manufactured to the highest quality standards for design and construction of joinery and building elements.

Degrease fatty kinds of wood.

Preserve softwoods with Cetol BL Aktiva

Apply a priming coat of Cetol BL 21 plus

Apply two finishing coats of Cetol BL 31.

**Treatment in joinery coating shop:**

Degrease fatty woods with solvent.

Preserve softwoods with Cetol BL Aktiva.

Apply one or two priming coats of Cetol WP 560, at a total dry film thickness of 60 micro metres.

**Treatment on site:**

Touch up any defective areas with Cetol BL 21 plus.

Flat slightly with Scotch Brite. (take care of not removing the coat from the flat edges)

Apply one or two finishing coats of Cetol BL 31.

Wash down intact stain coatings with an ammonia solution in water and sand slightly. (Do not remove coat from flat edges)

|  |   |
|--|---|
| <b>coatings</b>  | Touch up minor defects with Cetol BL 21 plus.<br>Apply one or two finishing coats of Cetol BL 31.   |
| <b>Maintenance on cracked stain or varnish coating</b>         | Remove all old coatings using Vervex Special (Paint Stripper) or a hot-air paint stripper.<br>Scrape weather-stained wood to expose sound wood.<br>Proceed as specified under "New or stripped wood" (professional system).   |
| <b>Notes:</b><br><b>Merbau, Afzelia and Framiré substrates</b> | Do not apply Cetol BL 21plus and Cetol BL 31 directly to wood species that contain bleeding wood contents, such as: Oak, Merbau, Afzelia and Framiré.   |
| <b>Notes:</b><br><b>Covering of horizontal surfaces</b>        | During construction, it is recommended to cover horizontal surfaces with plastic or aluminium foil to prevent dirt pick-up by mortar and cement.  |
| <b>Application conditions</b>                                  | <b>APPLICATION INFORMATION</b><br>Temperature between : 8 – 30°C<br>Relative humidity : max. 85%  |
| <b>Application methods</b>                                     | Ready for use after thorough stirring<br><b>Brush or roller:</b><br>Thinner : Water<br>Percentage thinner : ready for use<br>Viscosity : Can be applied without thinning.   |
| <b>Cleaning of equipment</b>                                   | Clean the brushes and equipment immediately with lukewarm water.<br>Add household detergent when necessary.<br>Do not use hot water.  |
| <b>Advised layer thickness At 20°C/65% RH</b>                  | Dry : Approx. 25 microns per coat<br>Wet : Approx. 60 – 65 microns  |
| <b>Theoretical coverage</b>                                    | Dry layer thickness 25 microns, approx. 13 – 15 m <sup>2</sup> /Liter   |
| <b>Practical coverage</b>                                      | Dry layer thickness 25 microns, approx. 14 m <sup>2</sup> /Liter.<br>Coverage greatly depends on the wood species under treatment, the surface condition, the method of application and conditions during application.  |
| <b>Formulation</b>   | <b>HEALTH &amp; SAFETY INFORMATION</b><br>DEU 35859   |
| <b>MM-standard</b>   | Not applicable  |
| <b>Flash point (DIN 53213)</b>                                 | > 100° C  |
| <b>Transport code (ARD)</b>                                    | ADR : free UN: --<br>VbF : Entfällt   |
| <b>Risk &amp; Safety phrases</b>                               | Danger classification : Not applicable<br>Contains : --<br>Risk phrase(s) : --<br>Safety phrase(s) : S02, S23, S46<br>P phrases : P101<br>See also "Safety Data Sheet"  |
| <b>Statutory regulations</b>                                   | For latest release on "Safety Data Sheet" please contact your Information & Material Management (IMM) at least once per year  |
| <b>Transport of empty containers</b>                           | The user of this product is required to comply with the national statutory regulations for health and safety at work and waste disposal.<br>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. |
| <b>Ventilation requirements</b>                                | Minimum Ventilation Requirement to comply with:<br><b>Occupational Exposure Limit (OEL)</b> : 900 m <sup>3</sup> air / Liter paint<br>Minimum Ventilation Requirement to comply with:<br><b>Safety explosion limit (10% LEL)</b> : 25 m <sup>3</sup> air / Liter paint<br>See also "Safety Data Sheet".   |
| <b>Article number (SAP)</b>                                    | <b>ADDITIONAL INFORMATION</b>   |
| 303675-400006  | <b>Pack size</b> : 1 L<br><b>Color / reference</b> : 006 – Light oak<br><b>EAN-code</b> : 8711115044828   |

|               |     |                  |               |
|---------------|-----|------------------|---------------|
| 305901-400009 | 1 L | 009 – Dark oak   | 8711115044842 |
| 303679-400010 | 1 L | 010 – Walnut     | 8711115044866 |
|               |     | 020 – Ebony      |               |
| 303683-400045 | 1 L | 030 – Opal white | 8711115044903 |
| 303687-400077 | 1 L | 045 – Mahogany   | 8711115044941 |
| 303689-400085 | 1 L | 048 – Rosewood   | 8711115044965 |
|               |     | 077 – Pine       |               |
|               |     | 085 – Teak       |               |

**Article number (SAP)**

303676-400006  
303678-400009

**Pack size**

2½ L and 5 L  
2½ L

**Color / reference**

006 – Light oak  
009 – Dark oak  
010 – Walnut  
020 – Ebony  
030 – Opal white  
045 – Mahogany  
048 – Rosewood  
077 – Pine  
085 – Teak

**EAN-code**

8711115004396  
8711115004358

303688-400077  
303690-400085

2½ L  
2½ L

8711115004433  
8711115004570

**Packaging size**  
**Shelf life**

1 L, 2½ L and 5-Liter can  
Minimum 12 months in original and unopened packaging,  
Keep in a cool frost-free place

**Storage conditions**

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

**Production location**

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.

