



For internal company use only

Description

Main properties / U.S.P.'s

Use

Selling profit Centers

Gloss

Color

Technical Data Sheet

Cetol BL 21 plus

Waterborne, translucent wood-stain for exterior use only.

GENERAL

Low film-build: natural aspect of wood

Easy to apply: very good flow and open time

Good outdoor durability:

Good penetration in first coat on wood

Good adhesion on bare wood, also in humid conditions

Permanent flexibility

Stabilization of wood against climatic changes

Micro porous

Translucent, enhances the wood texture

As one-pot-system or as a primer in water-borne translucent systems for all kinds of wood outside.

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

International product, sold in;

Austria, Belgium, France, Germany, Italy, the Netherlands, Spain, Switzerland and the UK

PROPERTIES

Low satin, approx. 28 – 34 GU/60° (ASTM D523) (on black PVC)

Cetol BL 21 plus is available in the standard translucent natural

	wood colors and in the colors of the Natural Balance collection.
	The resulting color effect depends strongly on the layer thickness and on the wood species on which Cetol BL 21 plus is being applied.
	On the mixing machine a significant number of “pop”-colors (non-wood colors) can be tinted which show a reasonable light fastness, when exposed exterior.
Density	Approx. : 1,04 kg/dm ³
Packaging viscosity	Approx. : 15 – 25 seconds DIN Cup 4, at 23°C
Solids content	By weight: Approx. 32 %
	By volume: Approx. 26 %
Volatile Organic Compound	Approx. : 97 g/L.
Drying at 20°C/65% RH	Dust dry: After approx. 1 hour
Outdoor durability	Recoatable: After approx. 6 hours 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.
Timber moisture content	SYSTEM SPECIFICATION Moisture content of timber to be coated should not exceed 16%
Timber quality	Structural timber elements should be manufactured to the highest national quality standards for design and construction of joinery and house-front in-fillings.
New woodwork	Apply a three coat system using Cetol BL 21 plus Alternatively apply one coat of Cetol BL 21 plus and finish with two coats of Cetol BL 31.
Maintenance on intact waterborne stain coatings	For best results, keep the interval between applications of the coats as short as possible. This period should not exceed 1 month. Maintenance should take place every 2 - 3 years, depending on the condition of the finish and applied system.
Transparency	Clean, degrease intact stain coatings with an ammonia solution in water and sand slightly, <u>(do not sand the film from the edges.)</u> and apply one or two coats of Cetol BL 21 plus. In order to maintain the translucent appearance of a Cetol BL 21 plus, also over a longer period, it is recommended to use light colors, 077 or 006, for maintenance applications.
Notes: Merbau, Afzelia and Framiré substrates	Do not apply Cetol BL 21 plus and Cetol BL 31 directly to wood species that contain bleeding wood content, such as 1 Oak, Merbau, Afzelia and Framiré.
Notes: Covering of horizontal surfaces	During construction, it is recommended to cover horizontal surfaces with plastic or aluminum foil to prevent dirt pick-up by mortar and cement.

Notes: Durability indication opal and pop-colors

Application conditions

Application methods

Cleaning of equipment

Advised layer thickness

At 20°C/65% RH

Theoretical coverage
Practical coverage

Formulation
MM-standard

Flash point (DIN 53213)

Transport code (ARD)

Risk & Safety phrases

The very light colors, such as 014, 024 and 030 have a limited outdoor durability of maximum of 2 years.

APPLICATION INFORMATION

Temperature between: 8 – 30°C

Relative humidity: max. 85%

Ready for use after thorough stirring

Brush or roller:

Thinner: Water

Percentage thinner : Ready for use

Viscosity: Can be applied without thinning.

Clean the brushes and equipment immediately with lukewarm water. Add household detergent when necessary.

Do not use hot water.

Dry: Approx. 13 – 16 microns per coat

Wet: Approx. 50 – 60 microns

Three coats Cetol BL 21 plus system should have a minimum dry film thickness of 20 – 25 microns.

Dry layer thickness 13 microns, approx. 20 m²/Liter

Dry layer thickness 13 microns, approx. 18 m²/Liter.

Coverage greatly depends on the wood species, which is coated, the surface condition, the method of application and conditions during application.

HEALTH & SAFETY INFORMATION

DEU 35338 (color 077)

Standard 151 with bases: 00 – 01 – 02 – 03

Colors made from base 03 are not UV-resistant, do not use in direct sunlight.

> 100° C

ADR: free

UN: --

VbF: Entfällt

Danger classification : Not applicable

Contains : IPBC (fungicide)

Risk phrase(s) : --

Safety phrase(s) : S02, S23, S46

P-phrases: P 101

See also "Safety Data Sheet"

Statutory regulations

For latest release on "Safety Data Sheet" please contact your Information & Material Management (IMM) at least once per year
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) : 450 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
	1L,	000 - clear	8711115xyz
325667-400006	1 L,	003 – Colorless	871111507387
325668-400009	1 L,	009 – Dark Oak	871111507394
325669-400010	1 L,	010 – Walnut	871111507400
325670-400077	1 L,	077 – Pine	871111507424
325671-400085	1 L,	085 – Teak	871111507356
Base 00 – Opal White	1 L	00 – Opal White	87111150
Base 01 – Translucent yellow	1 L	01 – Translucent yellow	87111150
Base 02 – Translucent black	1 L	02 – Translucent black	87111150
Base 03 – Colorless	1 L	03 – Colorless	87111150
Article number (SAP)	Pack size	Color / reference	EAN-code
326108-400006	2,5 L,	003	871111503501
326109-400009	2,5 L,	009	871111503563
326110-400010	2,5 L,	010	871111503624

326111-400077	2,5 L,	077	871111504102
326112-400085	2,5 L,	085	871111504164
Base 00 – Opal White	2,5 L,	00 – Opal White	87111150
Base 01 – Translucent yellow	2,5 L,	01 – Translucent yellow	87111150
Base 02 – Translucent black	2,5 L,	02 – Translucent black	87111150
Base 03 – Colorless	2,5 L,	03 – Colorless	87111150
Packaging size	1 L, 2½ L and 5 Liter can		
Shelf life	Minimum 12 months in original and unopened packaging,		
Storage conditions	Keep in a cool frost-free place		
Production location	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.

