Technical Data Sheet

For internal company use only	
	Cetol Novatop
Standard	TR Satin HS
Description	Translucent, high solid solvent borne, satin gloss wood finish for exterior use.
	GENERAL
Main properties / U.S.P.'s	Excellent resistance to UV radiation, ensuring optimum flexibility
	Provides optimum wood protection, as it features high UV absorption and enables to apply a great layer thickness.
	The wood-grain structure remains visible and will be enhanced, depending on the type of wood being treated.
	Can be applied at a great wet layer thickness.
	Retains its water-repellent properties.
	Good gloss retention.
	No dirt-pick-up.
Use	Designed for the protection and decoration of house-front joinery made of hardwood, such as dark-red Meranti, Iroko, Teak, Merbau, etc.
	Eminently suitable for application to dimensionally stable constructions, such as window-frames, windows and doors.
Selling profit Centers	International product, sold in
	Austria, France, Germany, Italy.
	PROPERTIES
Gloss	Approx. : 35 GU/60° (ISO 2813)
Color	Available in 8 translucent wood-stain colors. All colors can be mixed in any proportion. The final color of the Cetol Novatop Gloss system greatly depends on the wood species to which it is applied.
Density	Approx. : 0,97 kg/dm^3
Packaging viscosity	Approx. : 0,39 Pa.s, at 23°C
Solids content	By weight : Approx. 78 %
	By volume : Approx. 73 %
Volatile Organic Compound	Class : A/e with max 500 g/L (2007) 400g/L (2010)
	Cetol Novatop : contains app. 250 g/L VOC
Drying at 20°C/65% RH	Dust dry : After approx. 4 hours
	Recoatable : After approx. 16 hours
Outdoor durability	Approx. 3 - 4 years for a 3-coat Cetol Novatop system.
	The lighter colors of translucent products are less outdoor durable. This is why the low pigmented colors of Cetol Novatop are based on Base TU, reinforced with UV absorber and HALS. This will result in comparable durability with the other translucent colors of the product.
	Durability greatly depends on location, elevation and by the quality of wood, design, construction, glazing, condition of interior paint-work, method of application

adopted, etc.

SYSTEM SPECIFICATION

Timber moisture content

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

Timber quality

Exterior timber frames, windows and doors should meet the standards as described in KVT ’95 *(Quality of Timber Joinery Sections)* and as described in BRL specification 0801 *(Timber Joinery Sections)*. Timber house-front joinery must be preserved to BRL Specification 2901 or 2903.

New woodwork

3-coat Cetol Novatop system:

Apply a priming coat of Cetol Novatech of the desired color.

Putty up with tinted putty where necessary.

Apply two finishing coats of Cetol Novatop. For best results, it is necessary to keep the interval between application of the individual coats as short as possible.

This interval should not exceed one month.

Maintenance

Maintenance interval every 3 – 4 years.

Depending on the condition of the finish, thoroughly clean down and sand down thoroughly the woodwork being treated.

Make good defects, if any, and apply a further coat of Cetol Novatop overall.

Transparency

In order that the Cetol Novatop finish may retain its translucent appearance also in the long run, it is recommended to use light colors for maintenance, e.g. 003, 077 or 006.

Surface preparation by industrial process:

We recommend using Cetol SM 620 primer in the joinery industry.

Dip-coating, air-assisted spray, hot airless spray as well as electrostatic airless spray can apply this translucent Cetol SM 620 primer.

In the joinery factory, two coats of Cetol SM 620 are usually applied, achieving a dry layer thickness of 80 microns.

On site, following making good of defects, if any, a finishing coat of Cetol Novatop is applied.

Points to note

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.

Merbau:

Merbau contains dark-colored extractives that easily dissolve in water, causing ‘bleeding’.

To prevent this, do not install Merbau sections in buildings without previously painting them with a minimum of two coats (of Cetol Novatech and Cetol Novatop) or Cetol SM 620 in the factory.

On site, apply a finishing coat of Cetol Novatop.

Application over other products

Cetol Novatop can also be applied over translucent stain coatings that are in good condition, e.g.: Cetol Novatech, Cetol TGL Satin or Cetol TGL Plus.

Remove defective coatings completely and proceed as specified for new work.

Treatment of wood cladding, surfaces to be concealed by brickwork, etc.

Always apply two coats to grooves, glazing beads (on all sides), backs of cladding, etc.

Apply two coats of Cetol Novatop to surfaces to be concealed by brickwork.

Drying properties:

When applied under critical conditions, all solvent borne high solid coatings show slower drying properties in comparison with conventional (low- & medium solid) coatings.

Within reasonable limits (max. approx. 60 microns wet, 10° C), Cetol Novatop will dry within the earlier stated drying properties.

A higher layer thickness in combination with cold weather has to be avoided to prevent drying retardation.

APPLICATION INFORMATION

Application conditions

Temperature between : 5 – 35°C

Relative humidity maximum : 85%

At temperatures below 10°C the drying process will be delayed.

Application methods

Ready for use after thorough stirring

Brush:

Thinner : White Spirit

Percentage thinner : Ready for use

Cleaning of equipment

Clean the brushes and equipment immediately with White Spirit

Advised layer thickness At 20°C/65% RH

Dry : Approx. 35 microns per coat

Wet : Approx. 50 microns

Cetol Novatop system should have a minimum dry film thickness of 70 microns.

Theoretical coverage

Dry layer thickness 35 microns, approx. 20 m²/Liter

Practical coverage

Dry layer thickness 35 microns, approx. 17 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

DEU: 42410

ELX: 05-85003

R&D: N31300050000003

MM-standard

Acotint translucent SB, involving Base TC and Base TU.

All colors can be mixed in any proportion.

The final color of the Cetol Novatop system strongly depends on the wood species to which it is applied..

Flash point (DIN 53213)

Approx. : + 62° C

Transport code (ARD)

ADR : Not restricted UN: --

VbF : AIII

Risk & Safety phrases

Danger classification : Not applicable

Contains : cobalt compound and 2-butanone oxim;

may produce an allergic reaction

Contains 0,25% dichlofluanid

Risk phrase(s) : --

Safety phrase(s) : S02, S16, S23, S24, 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) : 50 m³ air / Liter paint

Minimum Ventilation Requirement to comply with:

Safety explosion limit (10% LEL) : 50 m³ air / Liter paint

See also "Safety Data Sheet".

ADDITIONAL INFORMATION

SAP R-3 product group number: 1149

SAP R-3 number	Volume	Color reference	EAN code
	970 ml,	Base TC	8711115
	990 ml,	Base TU	8711115
	1 L,	000 – Clear	8711115
	1 L,	006 – Light oak	8711115145464
	1 L,	009 – Dark oak	8711115145952
	1 L,	010 – Walnut	8711115145976
	1 L,	020 – Ebony	8711115145990
	1 L,	045 – Mahogany	8711115148014
	1 L,	077 – Pine	8711115148038
	1 L,	085 – Teak	8711115148052
SAP R-3 number	**Volume**	**Color reference**	**EAN code**
	2,425 ml	Base TC	8711115
	2,475 ml,	Base TU	8711115
	2½ L	000 – Clear	8711115
	2½ L	006 – Light oak	8711115148090
	2½ L	009 – Dark oak	8711115148113
	2½ L	010 – Walnut	8711115148137
	2½ L	020 – Ebony	8711115148151
	2½ L	045 – Mahogany	8711115148175
	2½ L	077 – Pine	8711115148199
	2½ L	085 – Teak	8711115148212
SAP R-3 number	**Volume**	**Color reference**	**EAN code**
	4,850 ml	Base TC	8711115
	4,950 ml	Base TU	8711115

Packaging size

1 L, 2½ L and 5 Liter

Shelf life

Minimum 12 months in original and unopened packaging,

Storage conditions

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

Production location

Elixhausen, Austria

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.