



## Technical Data Sheet

For internal company  
use only

Standard

Description

Main properties / U.S.P.'s

Use

Selling profit Centers

Gloss (ASTM D523)

Color

Density

Packaging viscosity

Solids content

Volatile Organic Compound

Drying at 20°C/65% RH

### Cetol Novatech

TR Primer / Wood stain HS

Translucent, high solid solvent borne, wood-stain with good durability for exterior use.

#### GENERAL

Based on a new generation of alkyd binders  
High solid content; with reduced solvent emission  
Labor saving  
Resists surface mould/algae  
Protects against UV-light  
Microporous, resulting in a humidity-controlling system  
Optimum coloring effect  
Simple maintenance  
Excellent penetration and adhesion  
Two-coat-system with excellent durability

As a one-pot-system for decoration and protection of constructions with large wood areas, such as front cladding, structural woodwork, wooden buildings and chalets.

Its properties make Cetol Novatech eminently suitable for application to softwood.

As a primer in translucent systems for dimension stable soft- and hardwood constructions.

International product, sold in:

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

#### PROPERTIES

Approx. : 50 – 60 GU/60° after 24 hours

Approx. : 30 – 40 GU/60° after one month

Available in the Natural Balance translucent color collection and 29 translucent wood-stain colors.

All colors can be mixed in any proportion.

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

Approx. : 0,96 kg/dm<sup>3</sup>

Approx. : 130 – 160 m, Pa.s at 23°C

By weight : Approx. 67 %

By volume : Approx. 60 %

Class A/e max 500 g/L (2007) and 400 g/L (2010)

Cetol Novatech contains max 360 g/L VOC

Dust dry : After approx. 3 –5 hours

Recoatable : After approx. 16 hours

**Drying at 10°C/65% RH**

Dust dry : After approx. 5 –7 hours

Recoatable : After approx. 24 hours

**Outdoor durability**

Approx. 2 - 3 years for a 2-coat Cetol Novatech system.

The lighter colors of translucent products are less outdoor durable. This is why the low pigmented colors of Cetol Novatech 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%

**New woodwork**

2 coats Cetol Novatech system

1 first coat Cetol Novatech followed by 1 coat of Cetol Novatop or Cetol Novatech or alternatively 2 top-coats Cetol THB, Cetol Filter 7, Cetol TGL plus or Cetol TGL Satin.

In case of substitution of 2 coats Cetol HLS followed by; 1 coat Cetol THB or 1 coat Cetol Filter 7: 1 coat of Cetol Novatech followed by 1 coat Cetol THB or 1 coat Cetol Filter 7.

Due to the very good penetration properties, the first coat of Cetol Novatech can entirely disappear in the wood.

This depends on porosity and type of the wood.

For best results, it is necessary to keep the interval between applications of the coats as short as possible.

This period should not exceed 1 month.

**Maintenance**

Maintenance interval every 2 – 3 years.

Depending on the condition of the finish, clean, degreases and sand thoroughly.

Repair any defects and apply two coats Cetol Novatech.

**Transparency**

In order to maintain the translucent appearance of Cetol Novatech over a longer period, it is recommended to use light colors 077 or 006, for maintenance applications.

**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.

### **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 µm wet, 10° C), Cetol Novatech 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.

### **Deeper wood coloring:**

If more intense wood coloring is desired, for instance for maintenance jobs, then a first coat of Cetol Novatech may substitute Cetol THB.

## **APPLICATION INFORMATION**

**Application conditions**

Temperature between : 5 – 35°C

Relative humidity maximum : 85%

**Application methods**

Ready for use after thorough stirring

**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****Statutory regulations****Transport of empty  
containers****Ventilation requirements****Brush:**

Thinner : Do not thin

Percentage thinner : ---

Viscosity : Ready for use

Clean the brushes and equipment immediately with White Spirit

Dry : Approx. 20 microns per coat (First coat approx. 5 – 10 microns)

Wet : Approx. 54 microns

Cetol Novatech system should have a minimum dry film thickness of 30 - 35 microns.

Dry layer thickness 20 microns, approx. 30 m<sup>2</sup>/Liter

Dry layer thickness 20 microns, approx. 27 m<sup>2</sup>/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**

DEU 42402

Elixhausen: 05-92N00

R&D: N31300040000003

Acotint translucent SB, involving Base TC and Base TU.

All colors can be mixed in any proportion.

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

Approx. : + 62° C

ADR : Class: 3 – Item: 32 C

UN: 1263 Paint

VbF : AIII

Danger classification : Not applicable

Contains : 0,35% dichlofluanid

Cobalt compound and 2-butanone oxim,

May produce an allergic reaction

**R**isk phrase(s) : --

**S**afety phrase(s) : S02, S16, S23, S24, S46, S51,

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.

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.

Minimum Ventilation Requirement to comply with:

**O**ccupational **E**xposure **L**imit (OEL) : 50 m<sup>3</sup> air / Liter paint

Minimum Ventilation Requirement to comply with:

**S**afety explosion limit (10% LEL) : 65 m<sup>3</sup> air / Liter paint

See also "Safety Data Sheet".

**ADDITIONAL INFORMATION**

**SAP R-3 article codes**

**SAP product group 0093**

<b>SAP R-3</b>	<b>Volume</b>	<b>Color reference</b>	<b>EAN code</b>
5008620	970 ml,	Base TC	8711115204185
5008621	990 ml,	Base TU	8711115204208
5019671	1 L,	000 – Clear	8711115225005
	1 L,	006 – Light oak	8711115111506
	1 L,	009 – Dark oak	8711115111520
	1 L,	010 – Walnut	8711115111544
	1 L,	020 – Ebony	8711115114217
	1 L,	045 – Mahogany	8711115114316
	1 L,	077 – Pine	8711115111582
	1 L,	085 – Teak	8711115111605
<b>SAP R-3</b>	<b>Volume</b>	<b>Color reference</b>	<b>EAN code</b>
5008652	2,425 ml	Base TC	8711115204246
5008653	2,475 ml,	Base TU	8711115204260
5019672	2½ L,	000 – Clear	8711115225043
	2½ L,	006 – Light oak	8711115111629
	2½ L,	009 – Dark oak	8711115111643
	2½ L,	010 – Walnut	8711115111667
	2½ L,	020 – Ebony	8711115114262
	2½ L,	045 – Mahogany	8711115114330
	2½ L,	077 – Pine	8711115111704
	2½ L	085 – Teak	8711115111728
<b>SAP R-3</b>	<b>Volume</b>	<b>Color reference</b>	<b>EAN code</b>
5019157	4,850 ml,	Base TC	8711115221038
5019158	4,950 ml,	Base TU	8711115221052
	5 L,	000 – Clear	87111115
	5 L,	006 – Light oak	87111115
	5 L,	009 – Dark oak	87111115
	5 L,	010 – Walnut	87111115
	5 L,	020 – Ebony	87111115
	5 L,	045 – Mahogany	87111115
	5 L,	077 – Pine	87111115
	5 L,	085 – Teak	87111115

**Packaging size**

**Special pack size**

**Shelf life**

**Storage conditions**

**Production location**

1 L, 2½ L and 5 Liter

20 L ( and 15 L for France)

Minimum 24 months in original and unopened packaging.

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

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.

