



## Technical Data Sheet

### Cetol Novatech

**Standard**

TR Primer / Wood stain HS

**Description**

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

**Main properties / USPs****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

**Use**

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.

**Gloss (ASTM D523)**

Approx. : 50 – 60 GU/60° after 24 hours  
Approx. : 30 – 40 GU/60° after one month

**Colour**

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.

**Density**

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

**Packaging viscosity**

Approx. : 130 – 160 m, Pa.s at 23°C

**Solids content**

By weight : Approx. 67 %  
By volume : Approx. 60 %

**Volatile Organic Compound**

Class A/e max 500 g/L (2007) and 400 g/L (2010)  
Cetol Novatech contains max 360 g/L VOC

**Drying at 20°C/65% RH**

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.

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

**Brush:**

Thinner : Do not thin

Percentage thinner : ---

<b>Cleaning of equipment</b>	Viscosity : Ready for use
<b>Advised layer thickness At 20°C/65% RH</b>	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.
<b>Theoretical coverage</b>	Dry layer thickness 20 microns, approx. 30 m <sup>2</sup> /Liter
<b>Practical coverage</b>	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.
	<b>HEALTH &amp; SAFETY INFORMATION</b>
	Always read full Health, Safety & Environmental Information on can before use. Safety datasheet is available free on request.
	<b>ADDITIONAL INFORMATION</b>
	Product available in ready mixed and tinted colours
<b>Packaging size</b>	1 L, 2½ L and 5 Liter
<b>Shelf life</b>	Minimum 24 months in original and unopened packaging.
<b>Storage conditions</b>	Stored in dry warehouse at temperatures between 5 – 30°C

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