



## Technical Data Sheet

### Cetol THB

**Standard**

TR Satin Interior / Exterior

**Description**

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

**Main properties / USPs**

Resists cracking and peeling for longer life;  
The wood grain remains visible and beautifies the wood species;  
Microporous, giving a moisture control system, lasting flexibility;  
Water repellency;  
Simple maintenance;  
Great ease of application;  
Based on air-drying alkyd resins.  
Available in a wide range of translucent colors

**Use**

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

### PROPERTIES

**Gloss**

Satin, approx. 25 – 35 GU/60° (ASTM D523)

**Colour**

Available in ready mixed and tinted colours.

Also the exterior durable colors from the Cetol Design collection can be tinted via the Acotint concept.

**Density**

Approx. : 0,88 kg/dm<sup>3</sup>

**Packaging viscosity**

120-140 mPa.s ICI Rotothinner at 20°C

**Solids content**

By weight : Approx. 45 %

By volume : Approx. 39 %

**Volatile Organic Compound**

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

Cetol THB : contains max. 500 g/L VOC

**Drying at 20°C/65% RH**

Dust dry : After approx. 3 –4 hours

Recoatible : After approx. 16 hours

**Outdoor durability**

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

The lighter colors of translucent products are less outdoor durable. This is why the low pigmented colors of Cetol THB 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 New woodwork

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

Apply a priming coat of Cetol THB for hardwood or softwood in selected color.  
The priming coat of Cetol THB thinned with 5-10% white spirit.

Where necessary, stop with tinted putty.

Apply 2 finishing coats of Cetol THB.

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

This period should not exceed 1 month.

### Maintenance

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

Repair any defects with Cetol HLS or Cetol THB in the right color and apply one further coat of Cetol THB overall.

### Transparency

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

### Notes: Deeper coloring surfaces

If deeper wood coloring is desired, for instance for maintenance jobs, then a first coat of CETOL HLS may substitute CETOL THB.

### 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: Merbau

Merbau contains dark-colored extractives that easily dissolve in water and leach out (bleeding).

To prevent this process, Merbau elements should not be installed untreated in houses under construction, but previously be treated with a minimum of two coats of Cetol THB.

On site, complete the system by applying one or two coats of Cetol THB.

### Notes: Application over other and defective products

Cetol THB can also be applied over intact translucent stain of Cetol THB.

Strip off defective coatings completely sand down to bare wood and proceed as specified for new work.

## 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 : ---

Viscosity : 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. 20 microns per coat

Wet : Approx. 54 microns

Cetol THB system should have a minimum dry film thickness of 35 - 40 microns

### Theoretical coverage

Dry layer thickness 20 microns, approx. 19 m<sup>2</sup>/Liter

### Practical coverage

Dry layer thickness 20 microns, approximately 17 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

Always read full Health, Safety & Environmental Information on can before use. Safety datasheet is available free on request.

## ADDITIONAL INFORMATION

Product available in ready mixed and tinted colours.

### Packaging size

1 L, 2½ L and 5 L

### Shelf life

Minimum 24 months in original and unopened packaging,

### Storage conditions

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

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.