



Technical Data Sheet

For internal company
use only

Standard

Description

Main properties /
U.S.P.'s

Use

Selling profit Centers

Gloss

Color

Density

Packaging viscosity

Solids content

Volatile Organic
Compound

Drying at 20°C/65% RH

Outdoor durability

Cetol THB

TR Satin Interior / Exterior

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

GENERAL

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

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

International product, sold in:

Belgium, France, Germany, Switzerland and UK.

PROPERTIES

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

Available in 13 natural wood colors and the Natural Balance color collection, using the Bases TC and TU in the Acotint MM concept.

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

Approx. : 0,88 kg/dm³

120-140 mPa.s ICI Rotothinner at 20°C

By weight : Approx. 45 %

By volume : Approx. 39 %

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

Cetol THB : contains max. 500 g/L VOC

Dust dry : After approx. 3 –4 hours

Recoatable : After approx. 16 hours

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 m²/Liter

Practical coverage

Dry layer thickness 20 microns, approximately 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 : 33683

Montataire : N213005600000000,

MM-standard

Acotint translucent SB, involving Base TC and Base TU.

All standard wood colors and the colors of Natural Balance.

All exterior durable colors from the Cetol Design collection.

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

Flash point (DIN 53213)

Approx. : + 56° C

Transport code (ARD)

ADR : Class: 3 – Item: 31 C

UN : 1263 Paint

VbF : All

Risk & Safety phrases

Danger classification : Not applicable

Contains : cobalt compound and 2-butanone-oxim
May produce an allergic reaction

Risk phrase(s) : --

Safety phrase(s) : S02, S16, S23, S51, S62

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) : 0 m³ air / Liter paint

Minimum Ventilation Requirement to comply with:

Safety explosion limit (10% LEL) : 95 m³ air / Liter paint

See also "Safety Data Sheet".

ADDITIONAL INFORMATION

SAP product group number 1150

SAP R-3 number	Volume	Color	EAN number
5019079	970 ml	Base TC	8711115220536
5019090	990 ml 1 L,	Base TU 000, clear	8711115220550 87111150
SAP R-3 number	Volume	Color	EAN number
5019091	2,425 ml	Base TC	8711115220574
5019092	2,475 ml 2½ L,	Base TU 000, clear	8711115220598 87111150
SAP R-3 number	Volume	Color	EAN number
5019093	4,850 ml	Base TC	8711115220611
5019094	4,950 ml 5 L,	Base TU 000, clear	8711115220635 87111150

Packaging size	1 L, 2½ L and 5 L
Special pack size	20 L
Shelf life	Minimum 24 months in original and unopened packaging,
Storage conditions	Stored in dry warehouse at temperatures between 5 – 30°C
Production location	Montataire, France

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.