Cetol® HLSe

Description

A premium, oil-based, deep-penetrating, translucent timber stain for exterior use. Designed as an essential basecoat for all Cetol® topcoats on all types of bare timber. Alternatively, it is an ideal 1-pot 3-layer system for broad timber surfaces such as decks, cladding and screening.

GENERAL

Main properties / U.S.P. s

- Based on special air-drying alkyd resins and iron oxide pigments for a durable aesthetic finish
- Penetrates deeply into the timber and nourishes it, and provides optimum protection
- Low film-build, high translucency and natural timber colours to transform and enhance the natural beauty of timber without concealing the texture
- Easy to apply; good flow and long open time
- Good UV resistance
- Simple periodic maintenance; no stripping required
- Microporous; allows timber to breath
- Satin finish

Use

1) As an all-in-one system for all types of exterior timber including decks, claddings, screenings, railings and garden furniture.

2) As a primer in **more durable**, higher-build Cetol® translucent systems for dimensionally stable soft- and hardwood constructions such as;

a) Decks, Steps and Handrails: before Cetol® Deck or Cetol® Deck Slip Resistant topcoats

b) Joinery and Cladding: before Cetol® Filter 7 Plus, Cetol® Supernatural or Cetol® TGL Gloss topcoats.

PROPERTIES

Gloss
Satin gloss – approx. 75-85 GU/60 (ASTM D523).

Density
Approx. 0,913 kg/dm

Viscosity
Approx. 34 seconds, Din c. 4, 20°C

Solids content
By weight: approx. 20% - by volume: approx. 24%.

Outdoor durability

For a 3-coat Cetol® HLSe system: Durability depends greatly on the quality of the substrate & the construction as well as the degree of exposure to the elements, abrasion from foot traffic and occurrence of standing water. Maintenance should take place every year for horizontal surfaces such as decks, and every 2 - 3 years for vertical surfaces depending on the exposure to the elements. An additional maintenance coat should be applied as and when the finish shows signs of wear. **New decks may require the first maintenance coat relatively fast.**

The lighter colours of translucent products are less outdoor durable. Therefore, the low pigmented colours of Cetol® HLSe are based on base TU tinting base, reinforced with UV-absorber and HALS. This will result in comparable durability with the other translucent colours of the product.

VOC (Volatile Organic Compound)

FURTHER SUPPORT

If you need further support, please contact Crommelin on 1800 655 711 – 7 days.
Crommelin is an authorised distributor of Sikkens Cetol Timber Finishes in Australia.
Always read full Health, Safety & Environmental Information on can before use.

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Color

EU limit value for this product (cat. A/e): 400 g/l (2010). This product contains approx. 399 g/l VOC.

Cetol® HLSe is available in the standard translucent natural timber colors such as Pine (077), Light Oak (006), Dark Oak (009), Walnut (010), Ebony (020), Mahogany (045), Rosewood (048), Silver Grey (813) and Teak (085) and a range of tinted colours. All colours can be mixed in any proportion. The final appearance (colour & texture) will be determined by the number of coats applied and the natural colour and structure of the timber. Sample pots are available. Performing a colour test on a small sample of the timber is highly recommended.

SYSTEM SPECIFICATION

Timber moisture content

Moisture content of timber to be coated should not exceed 15%. Excessive moisture content may prevent proper adhesion and penetration of the product and hence can lead to blistering, flaking and blotchy finish. Before coating check the moisture content of the timber in several areas and take an average reading. Ensure the reading is below 15%. When preparing timber decks for coating, appropriate cleaning is essential (See "Application: section). If the timber is not allowed to dry thoroughly (minimum 48 hours) trapped moisture in timber may cause coating failures.

Timber quality

Structural timber elements should be manufactured to the highest national quality standards for design and construction of joinery and house-front in-fillings.

Application New Timber

New or unseasoned hardwoods such as Merbau (Kwila), Spotted Gum, Tallowwood, Jarrah and Ironbark contain natural tannins. These tannins need to be extracted prior to coating. This will happen naturally over a period of 3-6 months depending on exposure, or the process can be accelerated using Sikkens Cetol® Tannin & Oil Remover followed by Sikkens Cetol® Deck & Wood Cleaner.

1) Sand dense hardwood using 60-80 grit sandpaper, for softwood sand using 100-120 grit sandpaper. Without sanding, timber will not sufficiently absorb the product resulting in a heavier film build on the surface.

2) **For tannin-rich timbers**, apply Sikkens Cetol® Tannin & Oil Remover according to on-pack instructions, allow to sit on the timber surface for 15 minutes before thoroughly rinsing with a pressure washer or hose. Whilst timber remains wet, apply a liberal coat of Sikkens Cetol® BL Deck & Wood Cleaner and scrub into the surface: leave for 15 minutes then rinse thoroughly with pressure washer or hose.

For timbers with no tannin content, wet the timber and apply Sikkens Cetol® BL Deck & Wood Cleaner or a similar solution for surface cleaning and rinse thoroughly

Allow to dry completely prior to applying any coating (See section "Timber Moisture Content" for more information).

3) Apply a **priming coat** of Cetol® HLSe in the selected colour. End grains, nail holes, cavities and cracks in the timber must be heavily coated.

4) Where necessary, fill holes with Nordsjo Professional Flexible Wood Filler or a similar product in the right colour and allow to dry. Sand and dust off and apply 2 **finishing coats** of Cetol® HLSe or the chosen Cetol® top coat.

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Recoating previously coated timber	For best results, it is necessary to keep the interval between the priming and finishing coats as short as possible. This period should not exceed 1 month. **Revitalising timber with an intact finish** 1) Clean using a stiff bristle brush, water and a mild detergent. Allow timber to dry thoroughly. 2) Lightly sand the deck with 120-150 grit sandpaper and dust down ensuring a clean surface. **Flaking, peeling and weathered timber** 1) Sand back to bare timber, remove any old product or residue 2) Wet the timber and apply Sikkens Cetol BL Deck & Wood Cleaner to clean the timber in just 15-20 minutes. To finish, follow steps 3 and 4 as above. For decks, allow the coating to cure for 48 hours before subjecting to light foot traffic and 7-10 days for full cure (harden) and placing furniture (avoid dragging).
Maintenance	Inspect the finish on the surface at regular intervals. Depending on the condition of the finish, thoroughly clean, wash the deck with mild detergent and rinse well. If necessary, sand lightly using 180 grit paper. Ensure thorough drying prior to re-coating. Apply **one further coat of Cetol® HLSe** overall.
Transparency	In order to maintain the translucent appearance of the Cetol® HLSe finish, also over a longer period, it is recommended to use light colors, Pine (077) or Light Oak (006), for maintenance applications.
Notes: Covering of horizontal surfaces	Covering of horizontal surfaces. During construction it is recommended to cover horizontal surfaces with plastic or aluminum foil to prevent their discoloration from mortar, cement or other building materials.

APPLICATION INFORMATION

Application conditions	Temperature between 5 – 35°C. Relative humidity max. 85%. At temperatures below 10°C, the drying process will be delayed. Drying time may also be retarded when used internally with insufficient air flow / ventilation or in conditions of high humidity. If such conditions are prevalent, please wait for a dryer day to complete your project.
Application methods	Ready for use after thorough stirring. Apply liberally in the direction of the grain using a good quality brush for optimum penetration. DO NOT use rollers or applicators
Cleaning	Clean brushes and equipment immediately after use with mineral turpentine.
Advised layer thickness	Dry: approx. 10 µm per coat. Wet: approx. 50 µm. The Cetol® HLSe-system should have a minimum dry film thickness of 20 microns. The first layer penetrates the timber.
Drying at 20°C/65% RH	Dust-dry: after approx. 2,5 to 3 hours Recoatable: after approx. 16 hours.

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Coverage	Smooth timber: approx. 12 – 16 m²/liter. Rough-sawn timber: approx. 4 – 8 m²/liter Coverage greatly depends on the wood species coated, the surface condition, the method of application and conditions during application.
Packaging size **Shelf life & storage**	100ml sample pot, 1 – 4 – 10 – 20L Store cool and keep away from frost. (5°C – 30°C). Minimum 36 months in original and unopened packaging.

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