Technical Data Sheet

Cetol HLS plus

Standard

Acotint SB translucent

Description

Translucent, solvent-borne alkyd-emulsion based, low-build satin basecoat and wood stain for exterior use.

GENERAL

Main properties / USPs

Resists UV-light, surface mould and algae, peeling and cracking;

The wood grain remains visible and beautifies the wood species;

Microporous, giving a moisture control system;

Provides superior timber protection;

Simple maintenance;

Use

As a primer and one-product application in translucent systems for dimension stable and semi-stable constructions made from new softwood, hardwood, plywood, block board and particle board, such as claddings, fascias, architraves, timber frames, fences and sheds.

Its properties make Cetol HLS plus eminently suitable for application to softwood.

PROPERTIES

Gloss

Semi-gloss, approximately 30 – 40 GU/60° (ASTM D523)

Colour

Available in the Cetol Design concept

The final colour (or shade) of the Cetol HLS plus system greatly depends on the wood species to which it is applied and any previous coating.

Density

Approx. : 0,905 Kg/dm^3

Packaging viscosity

Approx. : 24 – 30 seconds, DIN cup 4, 23°C

0.4 – 0.7 Pa.s / Cone and Plate / 25°C

Solids content

By weight : Approx. 30 %

By volume : Approx. 25-26 %

Volatile Organic Compound

Class A/e; max 500 gr/L (2007) max. 400 g/L (2010)

Cetol HLS plus contains 383 g/L VOC

Drying at 20°C/65% RH

Dust dry : After approx. 4 – 6 hours

Recoatable : After approx. 18 to 24 hours

Outdoor durability

Approximately 2 years for a 3-coat Cetol HLS plus system.

The lighter colors of translucent products are slightly less durable when used outdoors. This is why the low pigmented colors of Cetol HLS plus are based on Base TU, reinforced with UV absorber and HALS. This will result in approximate 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

Where necessary, apply two coats of Cuprinol ClearWood Preserver on new softwood timber that requires extra substrate protection against fungal attack

Apply a priming coat of Cetol HLS plus for hardwood or softwood in selected color.

Where necessary, repair with a suitable filler such as RepairCare's Dryflex.

Apply 2 finishing coats of Cetol HLS plus.

For best results, it is necessary to keep the interval between applications of these coats limited, not exceeding 1 month.

Maintenance

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

Repair defects with Cetol HLS plus in the appropriate color and apply one full coat of Cetol HLS plus, overall.

Transparency

Maintain the translucent appearance of Cetol HLS plus over a longer period. It is recommended to use lighter colors, 077 or 006 for maintenance applications.

Notes: Covering of horizontal surfaces

During construction, it is recommended to cover horizontal surfaces with plastic to prevent dirt pick-up by mortar and cement.

APPLICATION INFORMATION

Application conditions

Temperature between : 5 – 30°C

Relative humidity maximum : 85%

Application methods

Ready for use after thorough stirring

Brush:

Thinner : Do not thin

Viscosity : Ready for use

Cleaning of equipment

Clean the brushes and equipment immediately after use with a proprietary brush cleaner.

Advised layer thickness At 20°C/65% RH

Dry : Approx. 10 microns per coat

Wet : Approx. 36 microns

A Cetol HLS plus system should have a minimum dry film thickness of 20 microns.

The first layer strongly penetrates into the wood, securing adhesion, but not significantly adding to the total dry film thickness.

Theoretical coverage

Dry layer thickness 10 microns, approx. 11 – 14 m²/Litre.

Practical coverage

Dry layer thickness 10 microns, approx. 10 – 14 m²/Litre.

Coverage greatly depends on the wood species under treatment, the surface condition, the method of application and conditions during application. On rough sawn timber the coverage is significantly lower (e.g. 7 - 10 m2/L).

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, 2.5 L, 5 L
Shelf life	Minimum 24 months in original and unopened packaging,
Storage conditions	Stored in dry warehouse at temperatures between 5 – 30°C