

Wood Preservative Water Base Impregnante Colored Stain

Product code: ECD2445
Impregnate for softwood

Composition and Application Field

Water Borne wood preservative sealer ECD2445 developed as basecoat to protect wood from atmospheric agents, micro-organism and insect attack and has anti-termite properties. The pigments are added to provide resistance to light and prevent light timbers color from turning to grey. The water-repellent and water-regulating treatment allows the wood to breath naturally. The smooth and satin surface does not chalk or flake. **[This material is following the DCL Certification no. CL 16020409. It has VOC of 30 g/l. (GBRS limit is max. 130 g/l), Heavy Metals: Cadmium and Chromium (GBRS limit<500 mg/kg), Arsenic, Mercury and Lead (GBRS limit<100 mg/kg, Formaldehyde≤10mg/kg)].**

ECD2445 is suitable for all type of applications inside and outside timbers such as: [chalets, claddings coatings, window/door, frames, shutters, fences, gates etc.], made of softwood

ECD2445 sealer water base is produced in the colorless version and in a wide range of wood colors and in the three basic colors: yellow, red and black, which properly mixed among them and if reduced with the transparent converter, allow to obtain any color. This alternative allows to considerably reducing the paint storage supply.

Particularly suitable timbers:

For wood – Pine – Swedish pine – Yellow pine – Hemlock – Fir Douglas –Larch – Canadian cedar – Spruce- Meranti.

(For Meranti do a preliminary test to control the compatibility with the varnishing cycle used).

Unsuitable timbers:

Iroko – Oak – Cedrella – Niangon – Ash – Teak -Siberian larch (To treat these timbers contact our Technical Department).

Available colors

ECD2445 Douglas	ECD2445 Mellow walnut	ECD2445 Ebony
ECD2445 Pine	ECD2445 Brennero walnut	ECD2445 Teak
ECD2445 Light Oak	ECD2445 Dark walnut	ECD2445 Larch
ECD2445 Iroko	ECD2445 Mahogany	ECD2445 Chestnut
ECD2445 Dark Oak	ECD2445 Brown walnut	
ECD2445 medium Oak		

Specification

Mechanical properties

- very good adhesion
- very good flexibility
- good sanding
- good covering

Color

: Refer to EVI (wood preservative color card)

Specific gravity (g/cm³)

:1.01- 1.10
Depending on color

Viscosity Ford cup4/25°C (sec)

:11 [±1.1]
Depending on color

Weight solid (%)

:11- 22 [±2]
Depending on color

Drying Interval:

Dust free	: 30-45 min. at 25°C
To Touch	: 1 hour and 30 min.
To Sand	: 12 hours
Handling	: 24 hours

NB: These values undergo considerable changes according to environmental temperature. In winter time, we suggest varnishing in the first hours of the working cycle in order to guarantee a constant and an acceptable temperature during product drying.

Product preparation

Dilution:

For spray, brush or dipping, these products ready to use. If necessary, they can be dilute with water up to 10%.

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SURFACE PREPARATION

All timber species must be correctly seasoned with a moisture content of less than 15%. Surface must be dry, clean and free from contaminations. Natural oil or gum resin must be removed by solvent cleaning.

Softwood should be sanded with 120-150 grit paper, hardwood with 150-180 paper.

Caution: Beware of frost. Do not store below 5°C. Substrate, material and drying environment must be above 15°C. We recommend to make tests on timber before starting a working cycle.

For details of spray equipment contact EVI Technical Services Department.

APPLICATION METHOD

In according with Catas certification (EN972-2 performance specification), the appropriate cycle to follow is:

- 2 coats of 150g/m² coatings of wood preservative sealer water base for exterior ECD2445
- 3 coats of 150g/m² of top coat water base for exterior ECD258X

The atmospheric temperature should be between 15°C and 35°C in shaded places and the relative humidity should not exceed 70% during the application and drying.

NOTE:

Colourless [ECD2445] does not prevent wood which are exposed to the sunlight from discoloring and from degradation. Therefore durability can be guaranteed only using tinted products.

Packing & storage

Available: 1Ltr and 5Ltr.

The product has a Shelf Life of maximum 18 months, if the container is tightly closed and stored at 25°C.

Safety & flammability

This material is non-flammable.

In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleaner. No Smoking. Keep out of reach to children. For more and detailed information consult the Safety Data Sheets ECD2445.