

PU Isolant General Purpose

Product code: E/1401
Color: Transparent

Composition and Application Field

Transparent varnish endowed with very good penetrating and blocking property, indicated for a sealer for porous, dark stained woods. Excellent wetting properties. Renews the wetting effect after the stain application. It can be use not only as isolator for polyester but also where is responsible humidity and adverse organic salts in the knots that may interfere to the goodness of the material are present. Do not use in light color.

Product Preparation

Catalyst by weight by volume with hardener
100% 100% E/1021

Additives Not necessary in normal conditions

Pot Life 5hrs. at 25°C

Dilution

Spraying: Dilute with PU thinner or E/613 at 20-30%.

Curtain Coater: Dilute with PU thinner E/613 at 20%.

In case of hot and humid climate, add 5 -10% of PU retardant thinner E/622.

Technical Characteristics

Physical Properties

Specific gravity	0.94	(± 0,025) Kg/l
* Visc. Ford 4/ 25°C	13	(± 2) Sec.
Weight solids	30%	(± 2) Kg/Kg
Weight solids blended	31%	(± 2) Kg/Kg
Flash Point	21	grades centigrade

(Abel Pensky closed cup)

Application Rate 110gr/m² (per coat)

Drying @25°C

* Dust free	15 mn
Touch drying	40 mn
Interval coats (without sanding)	3 hrs
Top coating (without sanding)	4 hrs
Deep drying	24 hrs

Dry Film Characteristics

Mechanical Characteristics

Plasticity	Good
Sandability.....	Good (eventually)

Surface Preparation

Good sanding of surface is advisable before application of sealer, with sanding paper 120-150. Remove any residues on the substrate after sanding.

Application Method

You can apply the product as follows:

Spray gun: Use spray gun with a 1.5 – 1.8 mm. nozzle at 3-4 atm/bar.

Rag: Wet the rag with the product and evenly apply on the substrate.

Curtain Coater: This kind of application is not suggested.

Subsequent Treatments

After 2-3 hr. from the application of sealer, it is possible to proceed (without sanding) with the basecoat treatment using polyester varnish (or eventually polyurethane); one or more coats according with the desired covering. After 3 hr., sand the sealer (if good sanding is desired, wait for 12 hr.)

N.B: Do not remove the thickness of sealer during sanding.

Note

To obtain a very good result in particular on exotic timbers, it is necessary to apply 2-3 coats of sealer. This product can be used even on MDF for a lacquering varnishing cycle. Before starting with the procedure, in particular on new and never treated timbers, verify the final result in working conditions on a sample. Important: The sealer does not have any insulating property against humidity. If timber with high percentage of humidity (> 15 -18%) is treated, polyester basecoat can not be used. This product can even be used as insulating basecoat in varnishing cycle for wooden floors.

Packing

Available in 1 ltr, 5ltr, 25ltr.

Storage

If the drum is hermetically closed and well stored at 25°C, the product have 18 months of shelf-life.

The hardeners have six months of shelf-life.