

PU Isolant For Melamine

Product code: E/1404
Color: Transparent

Composition and Application Field

Based on polyvinyl resin and poly functional isocyanic polymer. Recommended as isolant for all kind of veneer woods, white colored woods, beach woods, ash woods, and specially for melamine, because of its good adhesion and non-yellowing properties.

Product Preparation

Catalyst by weight by volume with hardener
 50% 50% E/1034

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	0.93	(± 0,025) Kg/l
* Visc. Ford 4/ 25°C	35	(± 5) Sec.
Weight solids	20%	(± 2) Kg/Kg
Weight solids blended	20%	(± 2) Kg/Kg
Flash Point	21	grades centigrade
(Abel Pensky closed cup)		

Application Rate 40gr/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

AdhesionGood Plasticity
.....Good
Sandibility.....Good (eventually)

Surface Preparation

No special treatment for the surface, it just must be clean before application of sealer.

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 hrs. 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 hrs.)

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.