

**PU Multipurpose Sealer Pigmented
Flame Retardant in Compliance
With DIN 4102 Class B1**

Product code: E/1466 IT
Color: White
Finish: Matt

Composition and Application Field

Pigmented PU multipurpose sealer finish endowed with very good coverage, plasticity, hardness, softness. It is used for furniture's, furnishings components, cabinet doors, windows, etc... It can be used in tunnel varnishing cycle with forced air and in environment conditions. This product has a property of protection the wood against fire that mean the capacity of the varnish film to delay the propagation of flames (for half hour) in case of fire, and doesn't concern the protection of the substratum from fire effects.

Product Preperation

Catalyst by weight by volume with hardener
50% 50% E/1015 IT

Additives Not necessary in normal conditions

Pot Life 3hrs. at 25°C

Dillution

Spraying: Dilute with P.U. thinner E/612 at 20-30%..
Curtain Coater: Dilute with PU thinner E/612 at 20%.
In case of hot and humidity climate, add 5-10% of PU retardant thinner E/622.
NB: In winter we suggest E/610 for fast drying and in hot climate we can use E/623 to avoid bubbles and blooming.

Technical Characteristics

Physical Properties		
Specific gravity	1.4	(± 0,025) Kg/l
* Visc. Ford	80	(± 5) Sec.
4/ 25°C		
Weight solids	76%	(± 2) Kg/Kg
Weight solids blended	63%	(± 2) Kg/Kg
Flash Point	21	grades
		centigrade
(Abel Pensky closed cup)		

Application Rate 200gr/m² (per coat)

Drying @25°C	
* Dust free	15 mn
Touch drying	30 mn
Interval coats	1.30 hrs
Sanding after	4 hrs
Deep drying	24 hrs

Dry Film Characteristics

Mechanical Characteristics

Gloss	8/35 (ASTM D 523/67)
Adherence	Very Good (on wooden substrates)
Plasticity	Very Good
Sanding	Very Good (manually and automatic)
Covering.....	Very Good

Surface Preperation

Good sanding of wood surface is advisable before application of E/1466 IT, with sanding paper 100. Control the compatibility of stains eventually used, the number of coats is related with the coverage desired but normally not less than 2 cross cots, after that sand very well the basecoat with sanding paper 220 grain followed by paper 400 grain, in order to get the appropriate smoothness before the application of the topcoat.

Application Method

You can apply the product as follows:
Spray gun: It is possible to use even airless and air-mix equipments.
Curtain: This product can be applied even with curtain coater; control the viscosity during application adding PU thinner to balance the evaporation of solvents.
Apply one or more coats according to the desired covering.

Subsequent Treatments

It is possible to apply matt and glossy fire rated top finish.

Note

For a correct working cycle, verify that:

- Used stain must be dry;
- Substrate humidity must be under 20%;
- No grease and residues on substrate that can cause defect on wetting;
- Substrate hadn't treated with ammonia and peroxide.

For a better result of covering, sanding between coats is advisable.
Follow the indication of reducing and time of interval coats.

Packing

Available in 1ltr, 5ltr, 25ltr.

Storage

If the drum is hermetically closed and well stored at 25°C, the product has one year of shelf-life.
The hardeners have 6 months of shelf-life.