



**PU Pigmented Matt
Flame Retardant in Compliance
With DIN 4102 Class B 1**

Technical Data Sheet

Product code: E/150X IT (5,6,7,8,9)
Color: Pigmented
Finish: Matt

Composition and Application Field

Fire retardant PU Pigmented topcoat matt, designed with higher protection properties for wood to delay the propagation of flames against fire in a period of 30 minutes, endowed with a very good coverage, plasticity, hardness and touch softness. It can be used in tunnel varnishing cycle with forced air and in environment conditions.

It is used for furniture, furnishing components, cabinets, doors, windows etc.

Available in the following version:

- E/1505 IT 6±1% Gloss
- E/1506 IT 12±3% Gloss
- E/1507 IT 30±5% Gloss
- E/1508 IT 50±5% Gloss
- E/1509 IT 70±5% Gloss

N.B: The full Glossy will not be more than 70%.

Product Preparation

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

Additives Not necessary in normal conditions

Pot Life 3hrs. at 25°C

Dilution

Spraying: Dilute with PU thinner E/613 at 20-30%.
In case of hot and humid climate, add 3 -5% of PU retardant thinner E/622.

Technical Characteristics

Physical Properties

Specific gravity	1.12	(± 0,025) Kg/l
Weight solids	56%	(± 2) Kg/Kg
Weight solids blended	41%	(± 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	25 mn
Interval coats	1.3-2hr
Deep drying	24 hrs

Dry Film Characteristics

Mechanical Characteristics

- GlossFrom 5 to 70 (ASTM D523/67)
- AdherenceVery Good (on wooden substrates)
- PlasticityVery Good
- CoveringVery Good

Surface Preparation

Good sanding of wood surface is advisable before application of E/1464 IT, with sanding paper 120-150. Control the compatibility of stains eventually used, the number of coats is related with the coverage desired but normally not less than 2 cross coats, after that sand very well the basecoat with sanding paper 220 grain followed by number 400, in order to get the appropriate smoothness before the application of the topcoat E/150X IT.

Application Method

You can apply the product as follows:

Spray gun: Utilize nozzle 1.8-2mm at 3-4 atm/bar. For details of spray equipment contract Ritver Technical Services Dept.

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

After drying this product, it does not need any subsequent treatment.

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 1 ltr, 5ltr, 25ltr.

Storage

If the drum is hermetically closed and well stored at 25°C, the product has 18 months of shelf-life.
The hardeners have 6 months of shelf-life.