

**PU Multipurpose Sealer Clear  
Flame Retardant in Compliance  
With Class 1 - BS 476: Part 7: 1997**

**Product code: E/1464 IT**  
Color: Transparent  
Finish: Matt

**Composition and Application Field**

Clear 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.

This product is following the LEED Certified EQ C4.2 as part of the rules 1113 for the architectural coatings, it has a Low VOC, less water and less exempt in the range of 94 g/l.

**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 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      | 1.03 | (± 0,025) Kg/l |
| * Visc. Ford          | 70   | (± 5) Sec.     |
| 4/ 27-29°C            |      |                |
| Weight solids         | 71%  | (± 2) Kg/Kg    |
| Weight solids blended | 48%  | (± 2) Kg/Kg    |
| Flash Point           | 21   | grades         |
|                       |      | centigrade     |

(Abel Pensky closed cup)

Application Rate ..... 200gr/m<sup>2</sup> (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 Preparation**

Good sanding of wood surface is advisable before application of E/1464 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 coats, 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 have 18 months of shelf-life. The hardeners have 6 months of shelf-life.