

FR – PU TOPCOAT CLEAR–[MATT] Product No. **PT 29X0IT**

[Fire retardant in compliance with DIN 4012 Class B1]

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

USES

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

CHARACTERISTICS

Properties

- Fire Retardant
- Very Good Plasticity
- Very Good Covering
- Very Good Adherence

Available in the following Shades

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|------------|--------|------|
| - PT2900IT | DM 6% | [±1] |
| - PT2910IT | MT 12% | [±3] |
| - PT2930IT | SM 30% | [±5] |
| - PT2950IT | SG 50% | [±5] |
| - PT2970IT | GL 70% | [±5] |

Appearance	: Matt
Color	: Transparent
Specific gravity	: 1.12 Kg/lit [±0.025]
Weight Solids	: 56% [± 2]
Weight Solids blended	: 41% [± 2]
Flash point	: 21°C
Drying Time	
Dust Free	: 15 min.
To touch	: 25-30 min. at 25°C
Interval Coats	: 1.3 - 2 hrs. at 25°C
Deep drying	: 24 hrs. at 25°C

SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. The Surface must be dry, clean and free from contaminations. Natural oil or gum must be removed by solvent cleaning.

Good sanding of wood surface is advisable before application of [PB209IT] PU sanding sealer , with sanding paper no. [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 drying , sand very well the basecoat with sanding paper no. [220] followed by no. [400] in order to get the appropriate smoothness before the application of the topcoat PT29X0IT .

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PRODUCT PREPARATION

CATALYST

by weight 50%	CP015 IT	by volume 50%
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Pot Life 3 hrs. @ 25°C

Stir product well with a flat paddle. Add the correct quantity of hardener and stir till homogeneous. Thin to required viscosity. For details of spray equipment contact Ritver Technical Services Department.

Dilution

Spraying:

Dilute with P.U.thinner at 20-30%..

In case of hot and humidity climate, add 3 - 5% of retardant thinner.

APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is 200 gr / sq. m. The number of coats depends on the surface preparation the porosity of the substrate, and the finish required.

Following Treatments

By spray gun: utilize nozzle 1.8 – 2 mm at 3-4 ATM/bar. For details of spray equipment contact Ritver Technical Services Department.

By Curtain Coater: it is recommended to control the viscosity during application by adding PU Thinner to balance the evaporation of solvents.

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.

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CLEANING

Cleaning

Clean all tools and equipment immediately after use with [TC010] Tool Cleaner.

PACKING & STORAGE

Available in 1Ltr, 5Ltr, 25Ltr.

Store in a cool and well ventilated place. Keep away from direct sunlight. Minimum one year in unopened container, stored in a cool and dry condition at 25°C.

SAFETY & FLAMMABLE

This material is flammable and must not be exposed to naked flames.

Use only in well ventilated areas. In case of insufficient ventilation during application wear suitable respiratory equipment. Do not breathe vapor / spray. In case of contact with eyes, rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleanser.

Keep away from sources of ignition. No Smoking. Keep out of reach of children.