

FR PU PRIMER-[White] Product No. PB 216

[Fire retardant in compliance with DIN 4012 Class B1]

A Fire retardant multipurpose PU primer white endowed with very good coverage, plasticity, hardness and softness. Designed with a special property of protecting the wood against fire that is the capacity of the varnish film, provides in case of fire the required time to delay the propagation of flames (for 30 minute), and doesn't concern the protection of the substratum from fire effects. It can be used in tunnel varnishing cycle with forced air and in environment conditions.

USES

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

CHARACTERISTICS

Properties

- V. Good Adherence
- V. Good Plasticity
- V. Good Sanding
- V. Good Covering

Appearance	: Matt
Color	: White
Specific gravity	: 1.4 Kg/lit [± 0.025]
Weight Solids	: 76% [± 2]
Weight Solids blended	: 63% [± 2]
Flash point	: 21°C

Drying Time

Dust Free	: 15 min.
To Touch	: 30 min. at 25°C at 25 μ DFT
Interval Coats	: 1.30 hrs.
To Sand After	: 4 hrs. at 25°C at 25 μ DFT
Deep Drying	: 24 hrs. at 25°C

SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. 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 [PB216] FR PU Primer, with sanding paper no. [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 drying sand very well the basecoat with sanding paper no. [220] followed by paper no. [400], in order to get the appropriate smoothness before the application of the topcoat.

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PRODUCT PREPARATION

CATALYST		
by weight		by volume
50%	CP015 IT	50%

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 PU thinner [TP291] at 20-30%.

Curtain Coater:

Dilute with PU thinner [TP291] at 20%.

In case of hot and humid climate, add 5-10% of PU retardant thinner [TP222].

NB: In winter we suggest PU thinner [TP290] for faster drying

And in hot climate we can use PU thinner [TP292] to avoid bubbles and blooming.

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.

It is possible to apply matt and glossy fire rated top finish, or use as finish coat the same product.

NOTE

For a correct working cycle, verify that:

- 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 Cleaning.

PACKING & STORAGE

Available in 5Kg. , 25Kg.

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.