

PU TOPCOAT PIGMENTED

Product No. **TC 444X**

[Standard Grade]

Standard grade two components Pigmented Polyurethane Topcoat, formulated with solid content combined with fast drying, good transparency, flow, and leveling characteristics, provides the excellent equalization of the matt effect. Combined with the high mechanical resistant and soft slippery touch that enhances the overall beauty and feasibility of the finishing product.

USES

For interior use on all furnishings as wardrobes, closet, paneling, doors, windows frame, and casting, etc. The overall characteristics such as extensibility, Matt effect equalization, pigmentation and resistance to polishing have been developed to the maximum which in turn enables the product to have almost unlimited possibilities in the furniture industry

CHARACTERISTICS

Properties

- Commercial grade
- Good leveling
- Fast drying
- Good retention color
- Good flow

Available in the following Shades

- TC4440 DM 6% [±1]
- TC4441 MT 12% [±3]
- TC4442 SM 30% [±5]
- TC4443 SG 50% [±5]
- TC4444 GL 70% [±5]

Appearance	: Matt
Color	: White and other non-transparent colors
Specific gravity	: 1.24 Kg/lit [±0.025]
Weight Solids	: Approx. 64% [± 2]
Weight Solids blended	: Approx. 50% [± 2]
Flash point	: 21°C
Drying Time	
Dust Free	: 10 min.
To Touch	: 50 min. at 25°C
Interval Coats	: 3 hrs. at 25°C
Deep Drying	: 24 hrs. at 25°C

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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.

To obtain optimum surface finish sand the wood properly in the same direction of the wood grain, utilize sanding paper no. [100] , then and after surface leveling , utilize paper No.[220] to create smoothness to the substrate , then utilize paper No.[400] to achieve perfection of

Substrate, as is adequate sanding and removal of dust prior to application of first coat. Control the compatibility of Stains eventually used.

PRODUCT PREPARATION

CATALYST

by weight 50%	CP001 / CP003 NY	by volume 60%
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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

Utilize [TP292] PU Thinner depending on the application system used. In general 20 -30% thinner is added to achieve an application viscosity. This is suitable for spraying.

For Curtain coater 20% Thinner is added to achieve an application viscosity. In case of high humidity climate add 5-10% [TP222] PU retardant thinner.

APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is 140 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.

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CLEANING

Cleaning

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

PACKING & STORAGE

Available in 5Kg, 25Kg.

Store in a cool and well ventilated place. Keep away from direct sunlight. Maximum 18 months 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.