

PU Clear Matt Anti-scratch

Product code: E/154X

Color: Transparent

Finish: Matt

Composition and Application Field

Two components polyurethane varnish, indicated to a working cycle where very good hardness and anti-scratch resistance is required, with a matt or semi-matt effect. Fast to dry it does not change the natural beauty of wood, included exotic timbers that are moistly dark.

Very good resistance against washing with water and detergent and several substances as coffee, tea, oil, wine etc...

Particularly indicated for tables, furniture and flat panels.

Available in the following version:

E/1540 6±1% Gloss

E/1541 12±3% Gloss

E/1542 30±5% Gloss

E/1543 50±5% Gloss

E/1544 70±5% Gloss

Product Preparation

Catalyst	by weight	by volume	with hardener
	50%	50%	E/1013

Additives Not necessary in normal conditions

Pot Life 3hrs. at 25°C

Dilution

Spraying: Dilute with PU thinner E/613 at 20-30%.

Curtain Coater: Dilute with PU thinner E/613 at 20%.

In case of hot and humid climate, add 5 -10% of U retardant thinner E/622.

Technical Characteristics

Physical Properties

Specific gravity	0.970	(± 0,025) Kg/l
* Visc. Ford 4/ 25°C	55	(± 5) Sec.
Weight solids	35%	(± 2) Kg/Kg
Weight solids blended	33%	(± 2) Kg/Kg
Flash Point	21	grades centigrade

(Abel Pensky closed cup)

Application Rate 130gr/m² (per coat)

Drying @25°C

* Dust free	15 mn
Touch drying	35 mn
Interval coat	3 hrs
Deep drying	24 hrs

Dry Film Characteristics

Mechanical

Characteristics

Gloss 60°From 5 to 70 (ASTM D523/67)

AdherenceGood (on sanded substrates)

HardnessVery Good

AntiscratchVery Good

Surface Preparation

It can be used on veneer substrate, solid wood, and MDF which were treated clear polyurethane or polyester basecoats. Apply two or more coats according to the desired covering. After drying, sand the basecoat with at least 400 type sanding paper. Ensure that no residues on the substrate before application of topcoat.

Application Method

Spray gun: Use spray gun with a 1.8 - 2.0 mm. nozzle at 3-4 atm/bar. It can be applied by air mix spray application. In the last case of preliminary test, for spray application the ideal reduction is 20-30%.

NB: The product is not suitable for airless spray application. For curtain application, it can be used for closed pore and the most important thing is to keep controlled viscosity during the vanishing, adding PU thinner to compensate the evaporation of solvent.

Subsequent Treatments

After drying this product do not need particular subsequent treatment.

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.