

PU Clear Glossy Antiscratch NY

Product code: E/1545

Color: Clear
Finish: Glossy

Composition and Application Field

Two component transparent gloss polyurethane antiscratch NY finish for wood, of excellent outdoor proofness, good elasticity, easy application, excellent spreading power and high efficiency. Glossy polyurethane finish for indoors and outdoors of wood which require a particularly valuable finish.

Product Preparation

Catalyst by weight by volume with hardener
50% 50% E/1008 NY

Additives Not necessary in normal conditions

Pot Life 6hrs. at 25°C

Dilution

Spraying: Dilute with PU thinner E/614 or E/630 at 50-70%.
Curtain Coater: Dilute with PU thinner E/614 or E/630 at 50%.
In case of hot and humid climate, add 5 -10% of PU retardant thinner E/622.

Technical Characteristics

Physical Properties		
Specific gravity	0.98	(± 0,025) Kg/l
* Visc. Ford	50	(± 5) Sec.
4/ 25°C		
Weight solids	52%	(± 2) Kg/Kg
Weight solids blended	48%	(± 2) Kg/Kg
Flash Point	21	grades
		centigrade
(Abel Pensky closed cup)		

Application Rate 130/150gr/m² (per coat)

Drying @25°C

* Dust free	20 mn
Touch drying	60 mn
Interval coat	2 hrs
Deep drying	24 hrs
Polish	48 hrs

Dry Film Characteristics

Mechanical Characteristics

Gloss 60°	100 on polyester basecoat (ASTM D523/67)
Hardness	Very Good
Antiscratch.....	Good
Plasticity.....	Good

Surface Preparation

It can be used on veneer substrates, solid wood, MDF, treated with pigmented polyurethane or polyester basecoats. Apply two or more coats according to the desired covering. After drying, sand the basecoat with sanding paper 220 grain followed by 400 grain type; be sure do not leave any sanding residues (or other) on substrate before application of the glossy top-finish.

Application Method

By spray: Use a spray gun with 1.8 -2 mm nozzle at 3-4 atm/bar of pressure. It can be used even airless or air-mix equipments.
By curtain: It is very important to keep controlled the viscosity during the application, adding PU thinner to compensate the solvents evaporation. The glossy finish can be applied in one coat, or in two coats 2 hours interval without sanding. After 2-3 hrs. it is necessary to sand between coats to avoid any inconvenience.

Subsequent Treatments

After drying this product, it does not need any particular subsequent treatment, except for the eventually brushing and polishing treatment using proper abrasives.

Note

Using this product with E/1004, it can treat even handicraft outdoor exposed (be sure to use basecoats goods for this varnishing cycle). In this case take care to cover with varnish all the exposed parts, to prevent any type of infiltration. Only like this it is possible to have a product with good outdoor resistance, to take away in the time the defiling of the varnish.

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.