

PU Topcoat Clear Matt Antibacterial

Product code: **E/158XAB**

Color: Transparent

Finish: Matt/Glossy

Composition and Application Field

Antibacterial grade two components Polyurethane Topcoat, formulated with solid content combined with fast drying, very good transparency, flow, levelling and antibacterial 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. Formulated to provide an antiseptic and antibacterial finish. It provides a permanent sterile surface as long as the paint surface is intact.

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, transparency 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.

Available in the following version:

E/1581 AB	6±1% Gloss
E/1580 AB	12±3% Gloss
E/1582 AB	30±5% Gloss
E/1583 AB	50±5% Gloss
E/1584 AB	70±5% Gloss

Product Preparation

Catalyst	by weight	by volume	with hardener
	50%	50%	E/1003 standard
			or
	50%	50%	E/1009 NY (it will increase gloss by 10-15 Gloss Units)

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 PU retardant thinner E/622.

Technical Characteristics

Physical Properties

Specific gravity	0.97	(± 0,025) Kg/L
*Visc. Ford	60	(± 5) Sec.
4/ 25°C		
Weight solids	47%	(± 2) Kg/Kg

Weight solids blended	35%	(± 2) Kg/Kg
Flash Point	21	grades

(Abel Pensky closed cup)

Application Rate 130gr/m² (per coat)

Drying @ 25°C

Dust free	15mins.
Touch drying	30mins.
Interval coat	3 hrs.
Deep drying	24hrs.

Dry Film Characteristics

Mechanical Characteristics

Gloss 60°.....	From 5 to 70 (ASTM D523/67)
Adherence	Good (on sanded substrates)
Hardness	Very Good
Antiscratch.....	Good

Surface Preparation

It can be used on transparent basecoats PU or polyester based one or more coats according to desired covering. Good sanding of basecoat is necessary before application of the top finish.

Application Method

By spray: Use spray gun with 1.8-2 mm. nozzles at 3-4 atm/bar. Air mix and airless pumps may also be used. In this last case do preliminary test. For spray application, reduce at 20-30% with PU thinner.

By curtain: The most important thing is to keep controlled the viscosity during the varnishing, adding some PU thinner to compensate the evaporation of solvents.

Subsequent Treatments

After drying this product, it does not need any subsequent treatment.

Note

Apply the top finish on substrates well sanded and without any residues of sanding.

Packing & Storage

Available in 1Ltr., 5Ltr., 25Ltr.

If the drum is hermetically closed and well stored at 25°C, the product has maximum 18 months of shelf-life.

The hardeners have 6 months of shelf-life.