

PU Clear Matt Anti bacterial

Product code: E/158X- AB

Color: Transparent

Finish: Matt

Composition and Application Field

Clear polyurethane matt finish anti- bacterial endowed with very good covering, transparency, plasticity and hardness. Indicated to varnish furniture, doors, furnishing components. Do not use for exterior. **Clear polyurethane matt finish anti- bacterial** is a durable solvent-based coating formulated to provide an antiseptic and bactericidal surface finishes. The material incorporates nano silver which is proven to effectively kill almost all diseases causing microorganisms, even MRSA. It provides a permanent sterile surface as long as the paint surface is intact. It is particularly recommended for use in Healthcare facilities such as hospitals, clinics and other medical facilities, food processing plants, restaurants or any other internal facilities requiring a bactericidal surface.

Available in the following version:

E/1580 AB	6±1% Gloss
E/1581 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 E/1005 highest grade E/1009 NY
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 Centigrade

(Abel Pensky closed cup)

Application Rate 130gr/m² (per coat)

Dry Film Characteristics

Mechanical Characteristics

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

Available in 1 ltr, 5ltr, 25ltr.

Storage

If the drum is hermetically closed and well stored at 25°C, the product has one year of shelf-life.
The hardeners have 6 months of shelf-life.