

# PU Clear Matt Heat Resistant

Product code: E/158X-HR  
Color: Transparent Finish: Matt

## Composition and Application Field

It is two components scratch- proof clear Polyurethane topcoat with high mechanical resistance and soft slippery touch with anti-finger print properties. It exhibits a fast drying, good transparency, very good leveling with good equalization of matting effect. It can be used for all furniture (wardrobes, closet, paneling, doors, frame and casting) All the properties of the product are developed to get the best result and make enable to have unlimited possibility for application in furniture industry.

Available in the following version:

E/1581-HR	6±1% Gloss
E/1580-HR	12±3% Gloss
E/1582-HR	30±5% Gloss

## Product Preparation

<b>Catalyst</b>	by weight	by weight with hardener
	50%	50% E/1005

**Additives** Not necessary in normal conditions

**Pot Life** 2hrs. 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	1.05	(± 0,025) Kg/l
* Visc. Ford	100	(± 5) Sec.
4/ 25°C		
Weight solids	50%	(± 2) Kg/Kg
Weight solids blended	43%	(± 2) Kg/Kg
Flash Point	21	°C

(Abel Pensky closed cup)

Application Rate ..... 130gr/m<sup>2</sup> (per coat)

Drying @25°C

* Dust free	15 mn
Touch drying	30 mn
Interval coat	3 hrs
Deep drying	24 hrs

## Dry Film Characteristics

Mechanical Characteristics

Gloss 60°	.....From 5 to 30 (ASTM D523/67)
Adherence	.....Good (on sanded substrates)
Hardness	.....Very Good
Antiscratch	.....Excellent
Anti-finger print	.....Excellent
Resistant to rubbing with steel wool	
Dry heat resistance (EN 12722)	140°C.
Demp heat resistance (EN 12721)	85°C.

## Surface Preparation

It can be used on veneer substrate, solid wood, and MDF treated with clear PU sealer E/1438 only. 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 have 18 months of shelf-life.  
The hardeners have 6 months of shelf-life.