

# Polyester Sealer

Product code: E/1860

Color: Transparent

## Composition and Application Field

Transparent polyester sealer based on non wax unsaturated polyester with selected filler, endowed with very good covering, easy sanding and very good vertical application. E/1860 is indicated for substrate that need a basecoat preparation with products of higher solid and fast drying. It is particularly suggested for coffins, MDF and for varnishing cycles with final glossy top-finish.

**NB:** Due to the typical rigidity of polyester we suggest to use for indoor furniture only.

## Product Preparation

<b>Additives</b>	by weight	by volume	accelerator	hardner
	2%	2%	E/1050	E/1049

**N.B:** Do not mix accelerator and catalyst directly. The mixture may explode.

**Pot Life** 20 mn. at 25°C

## Dilution

Spraying: Dilute with E/605 at 10-20%.

## Technical Characteristics

### Physical Properties

Specific gravity	1.12	(± 0,025) Kg/l
Visc. Brookfield	6000	(± 500) Cps
DV11 spindle 4, RPM6, at 25°C		
Weight solids (polymerizable)	95%	(± 2) kg/kg
Weight solid blended	na	(± 2) kg/kg
Flash Point	21	grades centigrade

(Abel Pensky closed cup)

Application rate ..... 180 gr/m2 (each coat)

## Drying @25°C

* Dust free	30 mn
Touch drying	2 hrs
Interval coats	1 hr
Sanding	5 hrs
Deep drying	12 hrs

**N.B:** The drying time of this product is strongly influenced by the environmental temperature. In particular with temperature below 15°C the drying time is longer.

## Dry Film Characteristics

### Mechanical Characteristics

Adherence .....	Good (on wooden substrates & MDF)
Plasticity .....	Good
Sanding .....	Very Good
Transparency.....	Good

## Surface Preparation

On wooden substrates with large pore (oak, mahogany, hard wood in general) before applying the polyester basecoat it is suggested the application of a Isolant as E/1402. For a better final result and to avoid any inconvenient, we suggest the application of the same sealer even on MDF.

## Application Method

By spray using normal spray gun with 2-2.5 mm nozzle at 3-4 atm/bar, or with mixing spraying pumps. In the first case prepare the polyester at the moment of use, adding the accelerator and, after blending, the hardener and the thinner. In the second case two different blends must be prepared; with double percentage of additives: blend with accelerator and thinner and blend with hardener and thinner.

Apply two or more coats according to the desired covering (max. 4 coats), considering that before applying the following coats, it is necessary to wait until the previous one has reached the status of "gel".

## Subsequent Treatments

After drying and sanding, the polyester basecoat can be re-coated with transparent top-finishes products matt or glossy, polyurethane or polyester based.

## Note

Do not use this product on substrate that have to be exposed to atmospheric agents. Control the humidity of the substrates: must be below than 15%; remember that the sealer do not insulate from the humidity. Control (always) the compatibility of the eventually stains used. It is good to apply after the stain and before the polyester a proper polyurethane sealer as E/1402.

Do not apply the polyester when the climate is too cold (T<10°C) or too hot (T>30°C). Do not apply big thickness when it is not necessary and do not apply more than 4 coats respecting the application rate suggested (to avoid bad transparency and blooming inconvenients).

## Packing

Available in 1 ltr, 5 ltr. and 25 ltr.

## Storage

If the drum is hermetically closed and well stored at 25°C, the product and the additives has 6 months of shelf-life.