EVI VERNICI
PAINTS & COATINGS SOLUTIONS

WOOD COATING DIVISION

Technical Data Sheet

# Polyester Clear for Horizontal Use

**Product code: E/1980**
Color: Transparent

## Composition and Application Field

Product unsaturated polyester resin based, of good quality, ideal to basecoat treatment and successive brushing and polishing treatment to obtain a resistance and brightness surface. This product has a good reactivity, very good final hardness (to have a perfect polishing) and good elasticity. It is indicated for flat surfaces.

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

## Product Preperation

| **Mixing** | by weight | by volume | accelerator | hardner |
|---|---|---|---|---|
| | 2% | 2% | E/1050 | E/1049 |

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

**Additives**

E/1980 is a wax-free polyester coating to which wax has to be added before use. Waxes to be used depending on the seasons.

**Pot Life** 20 mn. at 25°C

**Dillution**

Eventually with E/605 reactive thinner for polyester, at 5%. This product can be used even without any reducing.

## Technical Characteristics

Physical Properties

| | | |
|---|---|---|
| Specific gravity | 1.032 | (± 0,025) Kg/l |
| Visc. Ford 4, at 25°C | 30 | (± 3) Sec. |
| Weight solids | 98% | (± 2) kg/kg |
| Weight solid blended | na | (± 2) kg/kg |
| Flash Point (Abel Pensky closed cup) | 21 | grades centigrade |

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

Drying @25°C

| | |
|---|---|
| * Dust free | 20 mn |
| Touch drying | 1 hr |
| Interval coats | 30 mn |
| Sanding | 8 hrs |
| Bruching/Polishing | 24 hrs |

## Dry Film Characteristics

Mechanical Characteritics

Adherence .....Good (on wooden substrates well prepared)
Plasticity .....Good
Sanding .....Very Good (specially with automatic equipments)

## Surface Preperation

The substrate must not content moisture over 12%. The application can be done directly on wooden substrate or on the same previously treated with polyurethanic isolator (E/1402) when the wood contents substances that have a bad influence on drying of polyester.

## Application Method

The product must be applied only by spray on flat surfaces, using a spray gun with 2-2.5 mm. nozzle at 3-4 atm/bar of pressure. The application consist in several coats wet on wet, with an interval of 30 min (according to the paraffin coming in the surface and environmental temperature) to obtain the right thickness desired.

## Subsequent Treatments

After drying the polyester must be sanded and brushed to ultimate the working cycle. For a good sanding use as first sanding paper 280 type grain, as second sanding paper 320-360 type grain and as third sanding paper 400-500 type grain. After 72 hrs it is possible to go on with brushing, using proper equipment (brushes) wax impregnated, and polishing, using polish to clean the surface. After sanding it can also be used as a basecoat for applying gloss and/or matt topcoats. E/1970 can alsobe blended with other polyesters, for example E/1980, in order to obtain intermediate degrees of thixotropy.

## Note

If the polyester is applied with spraying machine endowed with automatic mixing, you have to use accelerator & hardener at 4%. If exotic wood are used (tanning contents as rosewood, teak etc.) it is absolutely necessary to use polyurethanic isolator as E/1402 . To a correct application follow these indications:

- the temperature of polyester must not be under 18°C, to avoid paraffin defect, surface too much matt, pin-hole etc.
- the temperature of polyester must not be over 26-28°C, to avoid high reactivity that compromise sanding, paraffin defect.
- the environmental temperature must be between 18 & 30°C.
- the coming in the surface of paraffin can be adjusted using additives, contact the Technical Department for further information.

## 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. All additives have one year of shelf-life.



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