



# Water Base Black Matt For Interior

Product code: E/1027X  
Color: Black

## Composition and Application Field

The E/1027X is a black totally odorless waterborne product suitable for the varnishing of indoor, such as doors and furniture. It is used as a finish on pieces previously treated with pigmented water basecoat. It shows a top performance in terms of covering, drying and hardness, such as to be compared to traditional polyurethane finish. It has low solvent content and excellent flow leveling. This item has a low VOC less than 3% as an environment friendly product.

Available in the following versions

E/10270	6±1% Gloss
E/10271	12±3% Gloss
E/10272	30±5% Gloss
E/10273	50±5% Gloss
E/10274	70±5% Gloss

## Product Preparation

**Additives** Not necessary in normal condition

### Dilution

Ready for use. Eventually it is possible to dilute with water at 5-10% max.

## Technical Characteristics

### Physical Properties

Specific gravity	1.024	(± 0,025) Kg/l
* Viscosity.Ford	50	(± 1) Sec.
4/25°C		
Weight solids	37%	(± 1) Kg/Kg
Flash Point	-	grades
		centigrade

(Abel Pensky closed cup)

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

Drying @25°C and 70/75% of humidity

*Dust Free	30 mn
Touch Drying	60-90 mn
Stacking	24 hrs

These values under go considerable changes according to environmental temperature. In winter time, the flow leveling of the product applied is reduced, therefore we suggest varnishing in the first hours of the working cycle in order to guarantee a constant & an acceptable temperature during product drying. Warning: the product fears freeze; do not keep and do not work with temperature below 5°C. Good airing favors quicker drying even deep drying.

## Dry Film Characteristics

### Mechanical Characteristics

Gloss 60° .....	From 5 to 70 (ASTM D523/67)
Plasticity .....	Good
Hardness .....	Good

## Surface Preparation

We suggest a good sanding of the wood substrate treated with pigmented basecoats such as E/10246 white water-base before applying E/1027X. Control the compatibility if other products are used as basecoats.

## Application Method

By spray gun: The product is ready for use; in winter time it is not advisable to thin down the product but it is recommend to use the pre-heater set between 35°C and 45°C; in warmer times it is advisable to thin down the product from 5% up to 10% max. with water and to use the pre-heater at a max. temperature of 35°C. The product viscosity generally enables the application of 100-120 micron humid thickness without dripping; it is not advisable to apply higher thickness as film sanding and flow leveling would be impaired.

Suggested nozzle: for airless 09 fixed or 015 adjustable at 4 atm/bar of pressure; for normal spray gun 2.0 mm. at 3.5-4 atm/bar of pressure.

Check very carefully that the spray-gun does not show any trace whatsoever of solvent from previous applications. It is advisable to wash varnishing tools immediately after use.

## Subsequent Treatments

After drying the product doesn't need subsequent treatments.

## Note

Avoid stacking directly varnish on varnish.

## Packing

Available in Usq , Usg , 5Usg.

## Storage

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