



# Water Borne Clear

## Technical Data Sheet

### Matt Multicoat

**Product code: E/1025XMC**

Color: Transparent

Finish: Matt

#### Composition and Application Field

The E/1025XMC is a totally odourless waterborne fire rated product suitable for the varnishing of indoor such as doors and furniture. It is used as basecoat and topcoat at the same time. It shows a top performance in terms of clearness, drying and hardness, such as to be compared to traditional polyurethane finish. It has low solvent content and excellent flow leveling.

**[This product is Certified by Thomas Bell-Wright following the Multi-coat Interior Finish Systems for Reaction to Fire performance according to test standard ASTM E84-19a and approved by Dubai Civil Defense under license no. LMTNA0000135842-2019. And following the LEED certificate CREDIT C4.2, as per the rules 1113 for the architectural coating, it has a VOC less water and exempt solvents less than 24.5 g/l.]**

Available in the following versions

E/10250MC	6±1% Gloss
E/10251MC	12±3% Gloss
E/10252MC	30±5% Gloss
E/10253MC	50±5% Gloss
E/10254MC	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.

NB: It is recommended to use along if needed Water Base Stain SW60XX to color the wood.

#### Technical Characteristics

##### Physical Properties

Specific gravity	1.02	(± 0,025) Kg/l
Viscosity.Ford	120	(± 10) Sec.
4/28°C		
Weight solids	40%	(± 1) Kg/Kg

Flash Point	-	grades centigrade
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(Abel Pensky closed cup)

Application Rate ..... 120gm/m<sup>2</sup>(per coat)

Drying @25°C and 70/75% of humidity

Dust Free	15 mn
Sanding	30-45 mn
Stacking	24 hrs

These values under go considerable changes according to environmental temperature. In winter time, the flow levelling 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 favours 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 before applying E/1025XMC. As stain we suggest our water based stain series.

#### 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 levelling would be impaired.

Suggested nozzle: for airless 09 fixed or 015 adjustable at 4 atm/bar of pressure; for normal sprayt 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 1Usg, 5Usg.

#### Storage

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