

Acrylic Multi Coat Lacquer

Product code: E/228XMC

Color: Transparent Milky Finish: Matt

Composition and Application Field

Two component Acrylic Multi-functional Lacquer Fire Rated suitable as basecoat and topcoat. It is particularly suitable for applications where non-yellowing and fire retardant properties are required. **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.**

For example:

- Coating pale woods (maple, birch, ash, reconstituted Veneers, etc.)
- Coating woods bleached with hydrogen peroxide or other oxidizers (to avoid the yellowing problems that commonly arise with conventional polyurethane products applied onto this type of substrate)
- Coating white or pastel coloured surfaces to protect them from yellowing.

In open pore applications, add a large quantity of thinner (at least 40-50%) to promote pore penetration. The film is non-yellowing and light resistant. To protect also the substrate from sunlight to delay wood discoloration and film damages, add UV filter SL0100 or use the version with UV filter EUV228XMC.

Available in the following versions

E/2280MC	4±1% Gloss
E/2281MC	10±2% Gloss
E/2282MC	30±5% Gloss
E/2283MC	50±5% Gloss
E/2283MC	70±5% Gloss

Product Preparation

Catalyst by weight by volume with hardener
20% 20% E/1007

Pot Life 8hrs. at 25°C

Dilution

Spraying: Dilute with polyurethane thinner E/613 at 20-30%.
Curtain Coater: Dilute with polyurethane thinner E/613 at 10-20%. In summer period with hot and humid climate, it is necessary to add 5 % of PU retardant thinner E/622.

Technical Characteristics

Physical Properties

Specific gravity	0,94	(± 0,025) Kg/l
Viscosity. Ford	35	(± 5) Sec.
Ford cup 4 @ 27-29°C		
Weight solids	38%	(± 2) Kg/Kg
Weight solids blended	36%	(± 2) Kg/Kg
Flash Point	21	grades centigrade

(Abel Pensky closed cup)

Application Rate 120 gr/m² (per coat)

Drying @25°C

(Depends upon application, Temp. and substrate)

Dust free	15 mn
Touch drying	35 mn
Deep drying	24 hrs
Packing	24 hrs

N.B: Before packing control the working condition and do a Preliminary test.

Dry Film Characteristics

Mechanical Characteristics

Gloss 60°	From 5 to 50 (ASTM D523/67)
Sand ability	Good
Hardness	Good
Plasticity	Good
Anti-scratch.....	Very Good

Surface Preparation

Raw wood sanding grain size 220-320/Dust removal or as substrate can be generally used clear wood natural or lightly stained.

Application Method

Spray gun: For spray application we suggest a normal spray gun with 1.8 mm nozzle at 2.5-3.5 bar of pressure. It can be used for airless or air-mix spray guns.

Curtain Coater: The most important thing is to keep controlled the starting viscosity, adding PU thinner to compensate the evaporation of solvents.

Subsequent Treatments

After drying this product does not need any subsequent treatments.

Note

This product can be used even as non-yellowing fixative on laquered manufactured, treated with ageing products; be sure of the compatibility with the products used in the varnishing cycle.

Packing

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

Storage

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

The hardener has six month of shelf-life.