

Acrylic Clear

Matt

Product code: ECD228X

Color: Transparent Milky

Finish: Matt

Composition and Application Field

ECD228X is an extremely clear, colourless topcoat with a very soft touch. It is particularly suitable for applications where non-yellowing properties are required. **[This product is certified by Dubai Central Laboratory following DM-DLCD-RD-DP21-2180-(IC) Specific Rules for Low Emitting Materials as per the 2017 Al Sa'fat Dubai Green Building Evaluation System.]**

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 the first two cases, apply an acrylic basecoat such as ECD2245 before applying topcoat ECD228X.

In open pore applications, add a large quantity of thinner (at least 40-50%) to promote pore penetration.

Available in the following versions

ECD2280	6±1%	Gloss
ECD2281	12±3%	Gloss
ECD2282	30±5%	Gloss
ECD2283	50±5%	Gloss
ECD2284	70±5%	Gloss

Product Preparation

Catalyst by weight by volume with hardener
20% 20% ECD1007

Additive Not necessary in normal condition.

Pot Life 8hrs. at 25°C

Dilution

Spraying: Dilute with polyurethane thinner ECD613 at 20-30%.

Curtain Coater: Dilute with polyurethane thinner ECD613 at 10-20%. In summer period with hot and humid climate, it is necessary to add 5 % of PU retardant thinner ECD622.

Technical Characteristics

Physical Properties

Specific gravity	0.970	(± 0,025) Kg/l
* Viscosity. Ford	65	(± 5) Sec.
4/25°C		
Weight solids	38%	(± 2) Kg/Kg
Weight solids blended	35%	(± 2) Kg/Kg
Flash Point	21	grades
		centigrade

(Abel Pensky closed cup)

Application Rate 120gr/m² (per coat)

Drying @25°C

* 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 70 (ASTM D523/67)
HardnessGood
PlasticityGood
AntiscratchVery Good

Surface Preparation

As substrate can be generally used clear wood natural or lightly stained. As basecoat to prepare the substrate it is better to use product of the same nature: we suggest our clear acrylic basecoat ECD2245, one or more coats according to the desired covering. Sand very well the basecoat before to apply the acrylic top-finish.

Application Method

Spray gun: For spray application we suggest a normal spray gun with 1.8 mm nozzle at 3-4 atm/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.