CRYSTALOPOXY

Technical Sheet:

CRYSTALOPOXY is a perfect epoxy coating adapted to all projects: cabinetmaking, residential concrete floors, institutional, industrial and commercial.

CRYSTALOPOXY distinguishes itself by its solidity, it's high resistance to yellowing, easy application and by its transparent lustre finish. CRYSTALOPOXY can be used as well as a base coat or a finishing coat.

Considered as one of the epoxy products the most crystalline on the market, it will be ideal for wood finishing and as a finishing coat on our RESINOPOXY.

- **Two component Epoxy System reinforced with a UV non-yellowing;**
- **100% solid content;**
- **No VOC;**
- **Without solvents;**
- **Excellent resistance to abrasions;**
- **Superior mechanical resistance and superior chemical properties;**
- **Idling time taken (45 minutes), which facilitates the application;**
- **Offers a very strong density, which increases resistance to stains and easy maintenance.**

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ÉVO
HOME FINISHING

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Preparation:

On concrete: The concrete must be clean, dry and without a trace of grease, oil, paint, cure agent or any contaminant that may affect the adhesion of the product. If the application is on new concrete, a cure time of at least 28 days is necessary before applying the product.

The resurfacing using a mechanical polisher for concrete remains the best tool for a good preparation. However, you can prepare the surface by sanding on most residential projects. Sand the surface using a sander with a 60 grit paper. You must remove completely all coats of paint.

On an old Epoxy: If the product is applied on an epoxy surface that has been finished previously, more than 24 hours, the surface must be sanded with an abrasive 60 grit and properly cleaned with a vacuum before the application. This preparation is necessary in order to ensure an adequate adherence. Make a proper adherence test if there are doubts about the preparation of the surface.

On Wood: Make sure the wood surface is clean, dry and sanded. It is important to seal porous surfaces beforehand with an epoxy such as live edge with bark and the cavities that are susceptible to let air escape, it may cause air bubbles.

Mixing:

Before proceeding to the final mixing, it is recommended to mix well parts A and B of the product individually at a low speed. A proper attention should be taken for the coloured versions of the product since the pigments may have separated themselves from the rest during storage. The mixing is completed only until there is a complete uniform colour.

Then, combine the two containers of part A with the container of part B with a mixer using a drill at low speed (300-450 tr/min) in a clean container. Be sure to use clean equipment in order to not contaminate the product. Mix slowly and carefully for three minutes in order to minimize the imprisonment of air in the product. Make sure to scrape the sides well, all the way to bottom of the mixing container. For small projects, make sure to mix only the necessary quantity of product.

Once the product is mixed, you have 45 minutes to apply CRYSTALOPOXY.

Application:

Before applying CRYSTALOPOXY, make sure the temperature of the air and the area is between 10-30^{o}C and the humidity level is no more than 85%. Pour the product directly on the surface by tracing lines. Then spread the product using a scraper (squeegee), then roll with an epoxy roller in both direction, parallel and perpendicular, in order to get a uniform surface.

CRYSTALOPOXY can be used as a base coat and finishing coat. We recommend the application of a base coat and a finishing coat for a total thickness of approximately 20 mils.

On very porous surfaces, a primer coat of is recommended before using CRYSTALOPOXY. A thickness of 4 to 6 mils of a primer coat is recommended.

Cleaning of tools:

The hardened product can be eliminated without restrictions. To eliminate according to provincial and federal regulations in place, the exceeding liquid of part A and B must be mixed together for it to harden and. All non-hardened liquids must be cleaned with citrus solvent, alcohol or any solvent following the instructions of the manufacturer.

Storage :

WARNING, FEAR FROST.

Store containers away from UV light.

Shelf life:

The shelf life of CRYSTALOPOXY is 10 to 12 months in its original container. Keep containers A & B in their boxes before use.

IF THE RESIN (PART A) DOES NOT APPEAR TRANSLUCENT OR HAS A GEL-LIKE TEXTURE:

Do not worry, the product does not lose any properties and its quality is not affected. If this happens to you,

follow this procedure:

1. Place the containers in very hot water and leave them for about 1 hour. The texture and colour of the product will return to normal.

2. Before mixing A and B, please wait until resin A has cooled to room temperature.

It is important that the product is at room temperature before application. Otherwise, the drying time may be reduced and the finish affected. Otherwise, the drying time may be reduced and the finish affected by creating bubbles.

Application Data:				
Mixing:	**Ratio**			
	2 parts of A to 1 part of B			
Formats offered:	**Mini kit**	**Small kit**	**Medium kit**	**Large kit**
	1 X 1 L + 1 X 500 mL	3 X 1 L	3 X 2 L	3 x 4 L
Colour:	**Solids**		**Metallic** (pigments added)	
	We offer primary colours in liquid colourants (red, yellow, blue, magenta, black, white) also many pigment colours in powder form.		We offer 19 colours in metallic powder pigments	
Coverage	**Thickness in mils**		**Ft²**	
Mini kit (1.5 L)	8 mils		75 ft² per kit	
	10 mils		60 ft² per kit	
	12 mils		50 ft² per kit	
	20 mils		30 ft² per kit	
	30 mils		20 ft² per kit	
Coverage	**Thickness in mils**		**Ft²**	
Small kit (3 L)	8 mils		150 ft² per kit	
	10 mils		120 ft² per kit	
	12 mils		100 ft² per kit	
	20 mils (1/48 po)		60 ft² per kit	
	30 mils (1/32 po)		40 ft² per kit	
Coverage	**Thickness in mils**		**Ft²**	
Medium kit (6 L)	8 mils		300 ft² per kit	
	10 mils		240 ft² per kit	
	12 mils		200 ft² per kit	
	20 mils (1/48 po)		120 ft² per kit	
	30 mils (1/32 po)		80 ft² per kit	
Coverage	**Thickness in mils**		**Ft²**	
Large kit (12 L)	8 mils		635 ft² per kit	
	10 mils		508 ft² per kit	
	12 mils		422 ft² per kit	
	20 mils		254 ft² per kit	
	30 mils		170 ft² per kit	
Dry time at 22° 55% relative humidity				
	Work time		45 minutes	
	Dry to touch		7 hours	
	Dry in Depth		8 hours	
	Recoverable		between 8 to 24 hours	
	Light circulation		24 hours	
	Heavy circulation		1 week	