



- **Clear epoxy system ideal for casting river tables or small encapsulations;**
- **100% solid content;**
- **No VOC;**
- **No solvents;**
- **Very flexible and easy to work with;**
- **Odourless;**
- **Thickness up to 2 inches;**
- **Perfect spreading;**
- **Beautiful transparency with no yellowing effect.**

# RESINOPOXY+

## Technical data sheet:

RESINOPOXY+ is a two-component transparent epoxy resin. RESINOPOXY+ is specifically formulated to realize thick castings and to encapsulate objects. It offers a very beautiful transparency without a yellowish tint. With a 100% solid content, it contains no solvent and releases no VOC. RESINOPOXY+ contains an additive that protects from UV rays. It has a slight odour and can therefore be used indoors without ventilation.

LES FINITIONS



HOME FINISHING

**EVO HOME FINISHING**

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## **Preparation:**

The mould should be free of cracks and should be made with non-porous material. If you use wood with bark, make sure it is well cleaned. You can protect the surface of the mould with an added insulation such as "TUCK TAPE." The joints can also be blocked with a sealer. Place the surface to be covered in the mould. A wax like neutral Carbamex wax can be used to facilitate unmolding.

## **Mixing:**

***Prepare the necessary quantity only because once the product is mixed, it does not keep.***

***Use clean material to avoid any contamination of the product.***

***Mix slowly and minutely to avoid creating air bubbles in the product.***

Mix individually part A and then part B at slow speed.

Mix part A and B together, in a very clean container, using a drill mixer at low speed for 3 minutes (300 rpm to 450 rpm).

Make sure the sides of the container are well scraped all the way to the bottom in order to obtain a uniform mixture.

## **Application:**

Pour the resin slowly to avoid making bubbles. It will spread and level by itself (your mould needs to be levelled). Work in temperatures between 20° to 22 °C and a humidity rate not exceeding 65%.

*Trick: Heating the resin slightly before pouring avoids having air bubbles, you can soak your container of mixed resin in hot water.*

The maximum thickness per coat is 2 inches (50.8 mm). For a thicker coat, pour additional coats after 36 à 48 hours, when the first coat is still flexible but that the resin does not stick to your fingers.

For very porous surfaces (plaster, bark, cork, wood), apply a thin coat of RESINOPOXY+ with a paint brush to seal voids and to prevent air bubbles. Apply the rest of the resin immediately.

## **Finishing:**

After your equalization sanding, to obtain a very glossy finish, apply two coats of our CRYSTALOPOXY. Otherwise you can put finishing oil, wax or an ultra-adherent two component varnish.

## **Polishing:**

The RESINOPOXY+ can be polished. Begin polishing with a 400 grit abrasive then with an 800 grit; finish with a 1200 grit.

## **Cleaning of tools:**

All non-hardened liquids can be cleaned with a Citrus solvent or denatured alcohol following the instructions of the manufacturer.

## **Disposal after use:**

To dispose of your exceeding product, there must first have hardened. Mix exceeding liquids of parts A and B to then dispose of them according to Provincial and Federal regulations.

## **Storage:**

WARNING, FEAR FROST.

Store containers away from UV light.

NEVER POUR MORE THAN 30 LITRES OF RÉSINOPOXY+ AT A TIME. TO MAKE ANOTHER POUR, WAIT UNTIL THE PRODUCT HAS DRIED (36 TO 48 HOURS).

## **Shelf life:**

The shelf life of RÉSINOPOXY+ 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 ITS TEXTURE HAS THICKENED:**

Have no fear, the product does not lose any property and its quality is not affected. If this is the case, please follow this procedure:

1. Place the containers in very hot water for approximately 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 down to room temperature. It is important that the product be at room temperature before the application. Otherwise, the cure time may be shortened and therefore, bubbles may appear at finish.

## Application data:

<b>Mixing:</b>	<b>Product ratio</b>			
	2-part A for 1-part B			
<b>Formats:</b>	<b>Small kit (3 litres)</b>	<b>Medium kit (6 litres)</b>	<b>Large kit (12 litres)</b>	<b>Mega kit (30 litres)</b>
	Part A: 2 x 1 L Part B: 1 x 1 L	Part A: 2 x 2 L Part B: 1 x 2 L	Part A: 2 x 4 L Part B: 1 x 4 L	Part A: 2 x 10 L Part B: 1 x 10 L
<b>Colours:</b>	<b>Solid</b>		<b>Metallic</b>	
	We offer liquid primary colours (Red Oxide, Porto, Lemon, Yellow Oxide, Cobalt, Black, White, Forest Green) and many powdered pigments.		We offer 18 colours of powdered metallic pigments.	
<b>Coverage:</b>	<b>Thickness 1 inch</b>		<b>Cubic inch</b>	
	<b>Calculation of cubic inches: Length x Width x Thickness</b>			
	Formula to convert your cubic inches to mL: <b><math>\text{in}^3 \times 16,387 = \text{mL total}</math></b>			
	Ex: To pour 200 in <sup>3</sup> you need (200 in <sup>3</sup> x 16,387) = 3277 mL total			
	<b>How to calculate each part of A and B:</b>			
	(mL total / per 3) x 2 = part A			
	mL total / 3 = part B			
	Example for 3277 mL			
	(3277 mL / 3) x 2 = <b>2184,66 mL of A</b>			
	3277 mL / 3 = <b>1092,33 mL de B</b>			
	Small kit	+ or - 183 in <sup>3</sup> /kit		
	Medium kit	+ or - 366 in <sup>3</sup> /kit		
	Large kit	+ or - 732 in <sup>3</sup> /kit		
	Mega kit	+ or - 1830 in <sup>3</sup> /kit		
<b>Dry time at 22° 55% of relative humidity (2" thick)</b>				
	Working time	5 hours		
	Dry to touch	48 hours		
	Dry in depth (unmolding)	72 hours		
	To add an additional coat	Between 36 and 48 hours		
	Sanding	4 days		
***Castings smaller than 1" may take longer to harden.				

RESINOPOXY+ Technical data sheet

The information given in this technical data sheet is indicative only.

It does not induce in any way a guaranty on our part, nor engage us of any responsibility, in the usage of our products.

This technical sheet cancels and replaces any previous versions.