

Product Data Sheet:

General Purpose Clear Epoxy Resin (CEL)

350g, 1.4kg, 2.8kg, 7kg, 35kg

General Purpose Clear Epoxy Coating resin (CEL) is used to cover paintings, sculptures, statues, souvenirs, laminate table tops or to encapsulate an item in a clear, glossy varnish for eternity. Also used to encase electronic components such as PC boards and LED lights.

CEL is primarily used to coat artwork but can also be cast to a depth of 5mm and remain clear, if a deeper casting is required, we recommend Deep Cast or UltraCast XT.

- UV resistant
- Self-levelling
- Non-flammable
- Odour free
- Cures at an ambient temperature

HOW TO USE IT:

Mixing

Mixing Ratio: By weight: 100 + 40, By Volume: 2+1.

The mixing ratio must be accurately followed. It is not possible to change the ratio. This would result in lower mechanical properties and the resin not drying properly. The mixture must be thoroughly stirred to ensure full homogeneity. Epoxy systems tend to heat up much faster in a pot than as a thin film. Mix only the necessary amount usable within the pot life. Mix until it is a uniform colour & consistency (usually 3-4 mins).

Application

The system can be applied by hand pouring or by brush/roller. The resin can be tinted with resi-TINT pigments, resi-METAL or resi-TINT+ Metallic powders. resi-BLAST will add stunning cells and effects. Adding inks/paints/mica powder/glitter to epoxy resin will change its properties and may reduce non-toxicity.

LEVEL: Ensure your piece is perfectly flat and level, otherwise the resin will run to the lowest point and pool in the centre, leaving too little resin at the corners. On large canvas paintings/pictures you should tighten the canvas as much as possible or place a board underneath to support it uniformly.

BUBBLES: Any bubbles created by hand mixing can be easily popped by using a sharp object or by passing warm air over the surface of the resin with a blowtorch or hot air dryer on slow speed settings. Do not hold closer than 30cm to your artwork otherwise you risk creating ripples and dimples in the resin finish. If you use alcohol inks DO NOT use a flame to remove the bubbles, as alcohol is flammable.

DUST: You will need to protect the piece from dust accumulation for at least 12-24 hours. You can do this by using a dustsheet or a box to cover the piece.

CURING TIME / POT LIFE @ 23°C:

Pot Life	40 minutes
Film Touch Dry	6-7 Hours
Film hard / sand-able	12-18 Hours
Full Cure	7 Days or post cure for 8 hours @ 60°C

SHELF LIFE:

One year in sealed containers. Keep containers away from heat or cold.

CLEANING TOOLS:

All mixing containers and tools can be cleaned with Acetone or cellulose thinners.

SAFETY:

Refer to the Safety Data Sheet for information on correct handling and application of the product.