

## Product Data Sheet:

### SUPERCAS<sup>TM</sup> ARTWORK RESIN

1kg, 5kg, 10kg kits

Clear



**SuperCast<sup>TM</sup> Clear Artwork Casting Resin is a two component epoxy resin that produces an optically clear, high gloss finish and is particularly suited to resin art and shallow mould castings (jewellery items, flower-setting & paperweights etc). It can be used on many surfaces e.g. canvas, wood, MDF, glass, Perspex, concrete and metals.**

Eli-Chem's SuperCast<sup>TM</sup> self-levels to form a perfectly flat and shiny finish. Once cured, it provides a clear art coating resin that won't shrink or distort over time. It can be applied by pouring or brush/roller and cures at ambient temperatures. It has excellent UV resistance, clarity and transparency making the resin system suitable for the protection of just about any creative project.

- Solvent and odour free
- User friendly
- Self-Levelling formula
- Mixed viscosity 2,600 mPa.s
- Optical clarity (colour no. Gardner max.1)
- Exceptional UV resistance
- Non-flammable

### HOW TO USE IT:

#### Mixing

##### Mixing Ratio:

**By volume: 100 parts resin to 100 parts hardener**

**By weight: 100 parts resin to 90 parts hardener**

The mixing ratio must be accurately followed. It is not possible to change the ratio. This will 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 streak-free, uniform colour & consistency (usually 2-3 mins).

### Application

Apply by hand pouring or brush/roller. SuperCast<sup>TM</sup> can be tinted any colour with the addition of polymer pigments available in all solid and translucent colours.

**LEVEL:** Ensure your piece is perfectly flat and level, otherwise the resin will run to the lowest point leaving too little resin at the corners or run of the edges. Large canvasses should be supported underneath to prevent sagging and resin pooling.

**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 bubbles, the alcohol content in the inks is flammable.

### DUST:

You will need to protect the piece from dust accumulation whilst curing.

### CURING TIME/POT LIFE 250g @ 22°C:

- |             |               |
|-------------|---------------|
| • Pot Life  | 30-45 Minutes |
| • Touch dry | 4-6 Hours     |
| • Full cure | 3-5 Days      |

### Shelf Life:

One year in sealed containers. Keep containers away from heat or cold. If stored in lower temperatures crystallisation of the resin can occur. Warm the bottle in a lukewarm water bath or near (not on) a heater to a maximum of 40°C and agitate the bottle regularly to melt the crystals completely. Allow product to cool back to room temperature before use. Containers must be tightly closed after use to prevent moisture ingress.

### SAFETY:

Refer to the Safety Data Sheet for information on correct handling and application of the product. Standard proactive safety hygiene and responsible procedures apply. Our resins are 100% synthetic, they DO NOT contain animal parts or any organic content. No testing is done on animals whatsoever. Our resins are Vegan friendly and cruelty free.