

# Product Data Sheet:

## totalCAST

### Clear Art Resin

200g, 500g, 2kg, 4kg, 10kg, 50kg



**totalCAST Clear Art Resin is a revolutionary hybrid polymer that produces an optically clear high gloss finish.**

totalCAST is used to coat and seal artwork on canvas, wood, MDF, glass, Perspex, concrete and metals. The excellent clarity & optical transparency makes the resin ideally suited for the protection and decoration of paintings, sculptures and collages, photos and prints, timber artefacts (clocks & puzzles etc), pendants, bangles and other jewellery items, flower-setting and paperweights. This formulation represents cutting edge polymeric technology and was developed to achieve a crystal-clear result every time.

- 1:1 mixing ratio by volume or weight
- Safe to use – ASTM certified
- Non-toxic and VOC free
- Built in air release agents and moisture scavengers
- UV stable, no need for HALS or UV blockers
- BPA (Bisphenol) free

#### HOW TO USE IT:

##### Mixing

**Mixing Ratio: By weight and Volume: 100 parts resin to 100 parts hardener.** 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

Apply by hand pouring or brush/roller. The resin 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 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 8-12 hours. You can do this by using a dustsheet or a box to cover the piece.

#### CURING TIME / POT LIFE @ 22°C:

Pot Life	15-20 minutes
Film Touch Dry	3-4 Hours
Full Cure	7-10 Days

#### SHELF LIFE:

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

#### SAFETY:

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

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.