

# U RESIN UNICast



U RESIN UniCast is a 2- part Epoxy Resin Casting System. U RESIN UniCast has a very low viscosity. It has very few bubbles and will disperse when poured or with any added heat. It is a perfect system for filling timber crevices, river tables, embedding, doming and general casting.

U RESIN UniCast is a self-levelling resin system that has been designed for clear, pours with high strength. Once cured and post cured (7- 10 days), it is the ideal casting system for table surfaces

## MEASURING & MIXING:

U RESIN UniCast is a 2:1 ratio by volume resin system. Measuring and mixing must be accurate to achieve the best results. The ratio cannot be changed as this will result in the resin not curing correctly and/or lower the physical properties.

Decant your 1 part of Hardener into your mixing vessel, then add your 2 parts of Resin and mix the two components thoroughly for 2-3 minutes. Ensure the sides and bottom of the mixing vessel is scraped and incorporated with the mix.

Bubbles will occur during this process, however will begin to disperse once poured and aided with heat, later in the process. Do not over heat.

## APPLICATION:

The resin can be tinted with our U RESIN pigments, mousses, metal pastes or metallic powders to make your pour vibrant. U RESIN UniCast can be poured into a mould, made out of plastic or silicone rubber. If using a timber mould a release agent will be necessary for ease of removal. Ideal temperature should be 22-25°C with humidity level below 70%.

A 2:1 mix will provide a hard casting suitable for the manufacturing of fancy shapes, decorative items, embedding, river tables, etc. Once the resin is mixed and poured into the mould gently pass warm air from a heat gun or butane torch on lowest setting, this will assist in the removal of any bubbles generated during mixing.

(By adding alcohol inks/ acrylic paints/ mica powders/ glitter & resin pigments to epoxy resin will change the physical properties of the resin once cured. \*We do not recommend adding alcohol inks to resin\* IF you use alcohol inks in resin DO NOT use a flame to remove bubbles, as alcohol is flammable.)

## PRODUCT FEATURES:

- Excellent UV inhibitors
- Excellent Clarity
- Low VOC's
- Excellent Bubble Dispersion
- Low Viscosity
- Fast Curing

Composition	Epoxy Resin
Mix Ratio (volume)	2 : 1 Resin : Hardener
Mix Ratio (weight)	100 : 43 Resin : Hardener
Pot Life @ 25°C	120 mins
Cure Time	6-8 hours (varies depending on thickness)
Shelf Life	1 year in well-sealed containers
Shore Hardness	80-85 D
Odour	Low
UV Resistance (colour stable)	Good
Specific Gravity (20/25°C)	0.950
Viscosity @ 22°C (cP)	50