

U RESIN OceanCast



U RESIN OceanCast is a clear casting epoxy resin system specifically designed for deep casting, being ideal for resin river tables, casting, embedding and potting. All U RESIN Pigments can be used in OceanCast to tint the resin.

OceanCast provides an extended pot life with a low exothermic reaction, making it ideal for the casting of larger and thicker parts. OceanCast has minimal bubbles with excellent bubble dispersion and low shrinkage allowing for ease of use.

MEASURING & MIXING:

U RESIN OceanCast 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. OceanCast 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
- 50-100mm in 1 pour
- Water-White in Colour
- Low Viscosity
- Slow Curing
- Low Exotherm

Composition	Epoxy Resin
Mix Ratio (volume)	2 : 1 Resin : Hardener
Mix Ratio (weight)	100 : 43 Resin : Hardener
Pot Life @ 25°C	280 mins (No definite gel; time to reach 10,000 cP (mPa-sec).)
Cure Time	48-72 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)	0.9812
Peak Exotherm	38 Degrees Celsius at 450 mins

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