

CASTING EPOXIES

NAME	MIX RATIO	POT-LIFE	DE-MOULD	SHORE D	VISCOSITY	COLOUR*	HDT	FDA RATING	USES
<u>CLARITI PRO</u>	2:1 PBV	10-20 MINS 100gm @23°C	6-12 HOURS	80D	800cps	Colourless	80°C	FDA COMPLIANT - FOOD CONTACT SAFE	Small Casts - Jewellery, Pen Blanks, Think Trinket Trays
<u>EPOXYCAST</u>	2:1 PBV	40+ MINS 200gm @23°C	24 HOURS	80-82D	1000-2000 cps	Colourless	80°C	FDA COMPLIANT - FOOD CONTACT SAFE	Small to Med - Chunky jewellery, Floral Embedding, Knife Handles
<u>ULTRAPOUR</u>	2:1 PBV	2+ HOURS 500ml @23°C	24-48 HOURS	80-82D	1000-2000 cps	Colourless	80°C	FDA COMPLIANT - FOOD CONTACT SAFE	Medium Casts w/ Mass - Orgones, Floral Embedding, Homewares, Boards w/ River Features
<u>MEGAPOUR</u>	2:1 PBW	6+ HOURS 1650gm @23°C	24-48 HOURS	80-85D	1000-2000 cps	Colourless	100-120°C	FDA COMPLIANT - FOOD CONTACT SAFE	Large Pours - River Tables, Solid Homewares, Large Encapsulations

Casting resins are designed for pouring into moulds or filling cavities. They are typically used for pours starting at 3-4mm and above. All epoxy properties have been tested at 23°C, including throughout the entire curing process. Temperature fluctuations can affect both work time and cure time. Although a resin may be dry to the touch and feel cured, most epoxies will continue to harden in ambient conditions up to 30 days post de-mould.

Many customers ask about the pour depth of a specific resin and the answer depends on several factors. A 50mm deep pour could be part of a 300ml or 30L total pour, each producing different results. Additionally, a 50mm deep, 300ml pour at 20°C will cure slower than the same pour at 25°C. Understanding your work environment, performing tests to familiarize yourself with the resin, and being aware of the resins limitations will help you toward a successful resin outcome.

COATING EPOXIES

NAME	MIX RATIO	POT-LIFE	CURE TIME	SHORE D	VISCOSITY	COLOUR*	WEAR	FDA RATING	USES
<u>EPOXYGLASS</u>	1:1 PBV	50 MINS 650gm @23°C	18-24 HOURS	80D		Colourless	Good	N/A	Resin Art, clear coat acrylic pours, doming badges and magnets, coat artworks and flood coat timber
<u>ART COAT</u>	1:1 PBV	55 MINS 650gm @23°C	18-24 HOURS	78D	1800 cps	Colourless	Great	FDA COMPLIANT - FOOD CONTACT SAFE	Kitchen & Bathroom countertops, coating tumblers, coasters, artworks, using no pigment or light colours and whites.
<u>COUNTERTOP</u>	1:1 PBV	45 MINS 650gm @23°C	18-24 HOURS	81D	1800 cps	Colourless	Great	FDA COMPLIANT - FOOD CONTACT SAFE	Countertops, butcher block, wooden bar top, using rich or dark pigments.
<u>SPEEDCURE</u> <u>PRO</u>	1:1 PBV	30 MINS 650gm @23°C	4 HOURS			Colourless	Great	FDA COMPLIANT - FOOD CONTACT SAFE	For professionals - faster cure time for rapid countertop installation

Coating epoxies are selected when a project requires a coat or pour around 0.5 -3mm in depth. Coating epoxies are usually higher in viscosity in order to help them self-level. Coating resins may work on a live edge or the vertical sides of an art board, but we would not recommend them as a coating for 3dimensional objects, as the resin will slump at the lowest point. The viscosity can create a challenge for air bubbles to rise to the surface, so ensure the resin is stored at the ideal temperature, and do not pour more than 3mm as the resin may exotherm too quickly and air bubbles will remain in your pour. The coating resins tend to dome slightly as they cure, which aesthetically looks more refined and finished. As a final coat, the resins can be strong but they are not indestructible. The Ultimate Top Coat from Stone Coat used in conjunction with their resins will help create the strongest surface finish possible.



EXAMPLES OF CASTING EPOXIES



CLARITI PRO

EPOXYCAST



ULTRAPOUR

EPOXYCAST



MEGAPOUR

ULTRAPOUR





EXAMPLES OF COATING EPOXIES

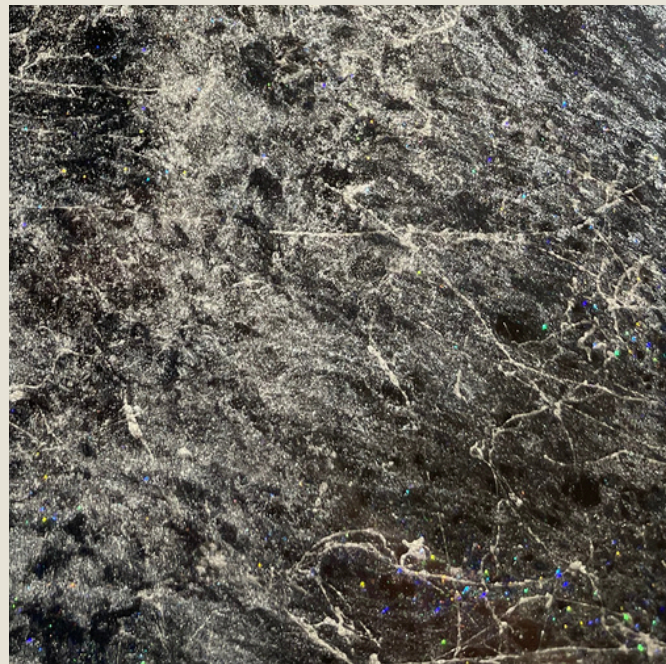
EPOXYGLASS



ART COAT



COUNTERTOP



SPEEDCURE PRO

