



TECHNICAL DATA SHEET

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CLEAR CASTING RESIN (EPOXY)

Two-Part Epoxy Casting System · Crystal-Clear, High-Gloss · Deep Pours to 30 mm

PRODUCT DESCRIPTION

Clear Casting Resin is a premium two-part epoxy resin formulated for casting, river tables, jewellery and decorative artwork. Mixed 2:1 by weight, it reaches initial cure in 24 hours and full cure in 72 hours, delivering a crystal-clear, high-gloss finish with low bubble formation and casting depths up to 30 mm per pour for fine-detail work where optical clarity matters.

KEY FEATURES

- Crystal-clear, high-gloss finish
- 2:1 mix ratio by weight
- Low bubble formation
- Maximum casting depth 30 mm per pour
- UV stabilized, non-yellowing formula

RECOMMENDED APPLICATIONS

- River tables and flooring
- Jewellery making and decorative items
- Artwork and industrial casting
- Decor items requiring optical clarity

TYPICAL TECHNICAL PROPERTIES

Resin Type	Epoxy, Two-Part System
Colour / Appearance	Clear (Crystal-Clear)
Finish	High Gloss
Viscosity	900 cPs (at 25°C)
Mix Ratio	2:1 (Resin : Hardener by Weight)
Initial Cure Time	24 Hours (at 25°C)
Full Cure Time	72 Hours (at 25°C)
Maximum Casting Depth	30 mm per Pour
Bubble Formation	Low
UV Resistance	UV Stabilized (Non-Yellowing Formula)
Pot Life	40 Minutes (at 25°C)
Hardness (Fully Cured)	Shore D 82
Specific Gravity / Density	1.10 g/cm³
Shrinkage	<0.2%
Volatile Organic Compounds (VOC)	Low
Shelf Life	12 Months (Unopened Container)
Recommended Storage Temperature	20-30°C
Packaging	20 kg Pack
Minimum Order Quantity	100 kg

All values above are chemist-verified.

SAFETY & HANDLING

Follow standard industrial safety practices when handling this product, including appropriate personal protective equipment and adequate ventilation. Refer to the applicable Safety Data Sheet (SDS) where available.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.