

MAKEART[®]

CRYSTAL CAST 1810

MAKEART[™] CRYSTAL CAST 1810 is a crystal-clear formulation that will self-level and cure at room temperature to create moulded jewellery and small 3-dimensional artistic castings.

The clarity of the CRYSTAL CAST 1810 has been optimised to remain water-clear in castings up to 15mm in depth, and will produce a beautiful gloss finish in smooth moulds. Matt surfaces can be produced with "matt-specific" moulds. And the low viscosity aids in pours into complex or contoured moulds.

The system is VOC and Solvent free and has excellent air release and UV stability, and has been optimised to accept pigments and embedded objects to create colourful, creative, and high gloss castings.

UNCURED PROPERTIES

	RESIN Part A	HARDENER Part B
Physical State	Clear Liquid	Pale Lemon Liquid
Viscosity mPas@ 25°C	200	1850
Specific Gravity g/ml @ 25°C	1.10	1.02

CURED CHARACTERISTICS

Shore "D" Hardness @ 25°C for 1 month	81
Glass Transition Temperature T _{g2} by DSC 1 month @ 25°C	41°C

HANDLING PROPERTIES

Mix Ratio by volume by weight	Part A: Part B	2 : 1 100 : 43
Mixed Viscosity @ 25°C		275
Depth *		15mm
Pot Life – 100g @ 25°C (in air)		60 minutes
Cured to a Solid State @ 25°C		3 days **
Cure to Maximum Strength @ 25°C		7 days

* Up to 15mm thicknesses can be achieved in a single pour

** dependant on depth and ambient temperature / initial cure in approx. 24 hours.

CRYSTAL CAST 1810 is not to be thinned under any circumstances, as it has been formulated to optimal viscosity for this specific application.

Refer to makeartresin.com for APPLICATION details

CLEAN-UP AND DISPOSAL

Clean the equipment with lacquer thinner, acetone, or alcohol. Follow safety warnings on solvents, and provide adequate ventilation. Clean epoxy hardener residue with warm soapy water.

DO NOT dispose of resin and hardener in a liquid state. Waste resin and hardener can be mixed and cure (in small quantities) to a non-hazardous inert solid.

STORAGE

MAKEART[™] CRYSTAL CAST 1810 resin will keep for 2 years and hardener will keep for 1 year if kept in original containers at room temperature (15°C to 32°C) and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

HEALTH AND SAFETY

MAKEART[™] CRYSTAL CAST 1810 has moderate sensitising potential, and should be kept out of the eyes and off the skin.

- Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.
- Refer to MAKEART[™] CRYSTAL CAST 1810 Safety Data Sheet available from www.makeartresin.com

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