

Liquid Plastic 2:1 Ratio

DESCRIPTION

EcoPoxy Liquid Plastic 2:1 is a two-component clear epoxy system designed for casting thick sections of extremely clear epoxy. The resin provides tough, bubble free, ultra-clear castings that can be several inches thick without cracking. The material is used in a 2:1 ratio by volume, is almost odourless and can be tinted if desired. For River Tables and very large castings, thickness should be limited to 1.5 inches in a single pour unless the casting can be cooled.

ADVANTAGES

- Low Odor
- 100% Solids
- Self leveling
- Excellent air release
- Water White Clear
- Easily Tinted
- Weather resistant
- Impact and abrasion resistant

	Resin	Hardener
Appearance	Clear Viscous Liquid	Clear Liquid
Viscosity at 25°C	600-700 cps	60 cps
Specific Gravity	1.13	0.98
Mix Ratio	2:1 by Volume	

	Resin Curing
Gel Time (100 gr. mass)	30 hours at 20°C
Casting Tack Free Time	45 Hours
Full Cure	72 Hours @ > 15°C

	Final Cured Resin Properties
Hardness Shore D	82 +
Tensile Strength (MPa)	50.9
Tensile Modulus (GPa)	2.54
Elongation @ maximum stress %	3.1
Elongation @ Break %	4.3
Flexural Strength (MPa)	77.6
Flexural Modulus (GPa)	2.38
Strain at Max. Stress (%)	4.1
Ultimate Compressive Strength (MPa)	69.0
Notched Impact Resistance (J/m)	64.3
Glass Transition Temperature (Tg) (°C)	42.5

This material is for professional use only, using adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given on good faith but should be verified by the end user, as is the suitability for their application. The warranty of this materials shall be limited to the replacement of defective materials.