

MAKEART® RIVER 1888 is a Solvent and VOC free, water-clear epoxy formulated for castings up to 20mm deep in a single pour. A very low mixed viscosity provides improved air release, and the slow cure reaction controls heat build-up, enabling deep castings to be poured in elevated temperatures*.

RIVER 1888 Part A Resin contains UV inhibitors which give it a blue colour in the container. When combined with Part B Hardener, the mixture becomes colour clear.

RIVER 1888 has excellent self-levelling and gloss performance and can be sanded and polished if required.

With exceptional clarity, RIVER 1888 is ideal for clear or tinted, solid or embedded large castings including river table applications.

*RIVER 1888 has been tested at elevated temperatures – ATL Composites recommends a maximum pour depth of 20mm in temperatures up to 32°C.

UNCURED PROPERTIES

| | RESIN Part A | HARDENER Part B |
|------------------------------|-----------------|--------------------|
| Physical State | Clear | Clear |
| Viscosity mPas@ 25°C | 450 | 81 |
| Specific Gravity g/ml @ 25°C | 1.13 | 0.97 |

CURED CHARACTERISTICS

| | |
|---|------|
| Shore "D" Hardness @ 25°C/20mm thickness for 24 hours | 63 |
| for 48 hours | 80 |
| +16h @ 40°C | 84 |
| Glass Transition Temperature (T _g) @25°C + 16 hours @ 40°C | 44°C |
| + 3 hours @ 100°C | 58°C |
| Flexural Modulus MPa | 3100 |
| Flexural Strength MPa | 100 |
| Max Strain (%) | 4.5 |

HANDLING PROPERTIES

| | |
|----------------------------------|-------------------|
| Mix Ratio by volume by weight | 2 : 1 100 : 43 |
| Part A: Part B | |
| Mixed Viscosity @ 25°C | 265 |
| Pot Life – 100g @ 25°C (in air) | 15.5 hours |
| Cured to a Solid State @ 25°C | 24 hours |
| Cure to Maximum Strength @ 25°C | 7 days |

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® RIVER 1888 resin and hardener will keep for 2 years 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® RIVER 1888 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® RIVER 1888 Safety Data Sheet available from www.makeartresin.com

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