

# RAPID CURE EPOXY

## TECHNICAL DATA SHEET

September 2016

Rapid Cure is an ultra-fast curing resin with a gel-time of 3-5 minutes and handling strength in 10 to 20 minutes. It is suitable for joinery and a wide variety of industrial and marine applications. 100% waterproof. Rapid Cure is ideal for quick repairs during sailing, especially racing.



Mix Ratio:	Easy mix 1:1 ratio
Pot Life at 20°C:	3-5mins
Cure to a solid state:	10-20mins @ 20°C
Cure to maximum strength:	3 to 7 days
Minimum use temperature:	10°C
Colour:	Clear
Clean Up:	Glue Guru Epoxy Solvent or Glue Guru Acetone

**Note:** Care should be taken when dispensing and mixing. Optimum results are achieved when recommended ratios are used.

### Uncured Properties

	Rapid Cure – Part A	Rapid Cure – Part B	Method
<b>Physical state</b>	Colourless liquid	Amber Liquid	
<b>Specific Gravity (g/ml)</b>	1.15 – 1.16	1.12 – 1.14	ASTM D-4052
<b>Viscosity @ 25°C</b>	≈ 22,000cps	≈ 20,000cps	ASTM D-445

### Cured Characteristics

	Rapid Cure	Method
<b>Mix Ratio</b>	100pph	
<b>Mixed Viscosity</b>	≈22,000	ASTM D-445
<b>Pot Life (min)</b>	4 min	2kg @ 25°C
<b>Thin Film (min)</b>	6 min	3mm @ 50°C

*Note: Typical properties and not to be construed as actual specifications  
pph = parts per hundred parts of resin*



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### Shore Hardness

Time (mins)	Temp	Shore Hardness
10	25°C	15
20	25°C	52
30	25°C	66
60	25°C	72
7 days	25°C	79

### Tensile Lap Shear Strength

Time (mins)	Temp	Lap Shear strength (psi)
30	25°C	1150 (aluminium)
30	25°C	600 (Red Beech)

### Storage

Rapid Cure Epoxy will keep for 2 years if kept in original containers at room temperature (15°C—32°C) and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

### Health & Safety

Glue Guru Limited provides its customers with a specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information.

Direct skin contact should be avoided, all amines they have a moderate sensitising potential and should be considered to be mild skin corrosives. Rapid Cure Epoxy system should not be ingested; in an unlikely event Rapid Cure is ingested see your nearest physician immediately.

- Use with good ventilation and adequate safety equipment including gloves
- If skin contact occurs, wash with a lanolin based hand-cleaner and water
- If eye contact occurs, immediately wash for 15 minutes with running water

**If swallowed:** **Resins:** DO NOT induce vomiting and contact a doctor or the New Zealand National Poisons Centre. **Hardeners:** DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the New Zealand Poisons Centre.

**NEW ZEALAND NATIONAL POISONS CENTRE Contact Number: 0800 764 766**

*Note: Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages.*