

## ***I. Product Description***

Ados 4:1 Epoxy All Purpose Resin is a high quality 100% solids epoxy fibreglassing resin purpose designed for durability in industrial and marine applications. It will provide superior wet-out and cured characteristics at ambient temperature. Ados All Purpose Resin is especially suited for use with fibreglass cloth in the surface protection of timber in marine situations. Low viscosity of the product ensures excellent wetting properties and low levels of air entrapment.

## ***II. Applications & Directions***

- With fibreglass cloth as a moisture barrier on wooden boat hulls or other wooden structures. Usage is approximately 2m<sup>2</sup> to 2.5m<sup>2</sup> per litre of mixed resin with 250g glass cloth.
- With fumed silica or other glue powders as a structural adhesive. Use approximately one part by volume of powder with one part of mixed resin.
- With glass spheres or phenolic microballoons as a fiaring compound. Use approximately three parts by volume of powder with one part of mixed resin.

## ***III. Features & Benefits***

- Simple 4 to 1 mixing ratio.
- Low viscosity with excellent wetting properties
- Low colour
- Low odour
- Cures well at ambient temperatures.

## ***IV. Specification Data***

<b>Type</b>	100% Soilds Epoxy Resin
<b>Colour</b>	Pale amber
<b>Mix Ratio</b>	4 to 1 by volume
<b>Density</b>	1.10g per litre mixed product
<b>Shore D Hardness</b>	78
<b>Heat Distortion Temp</b>	75 <sup>o</sup> c
<b>Pot Life</b>	Summer Grade is 35min @ 20 <sup>o</sup> c Winter Grade is 20min @ 20 <sup>o</sup> c

Cured properties depend on environmental conditions. High humidity in conjunction with low temperatures may cause surface greasiness and other defects. Optimum cured conditions can be achieved by post curing at elevated temperatures such as 24 hours at 80°C or 2 hours at 120°C.

## **V. Directions**

### **Preparation**

All surfaces must be clean, dry and free from foreign matter. Best results can be obtained by surface roughening to promote adhesion.

### **Mixing**

Ados All Purpose Resin is a two component product. 4 parts of resin (part A) and 1 part hardener (part B) by volume are to be mixed quickly and thoroughly. See pot life above for approximate working times.

If fillers and powders are to be added they are to be mixed in after the resin mix is completed. All mixing should be a gentle paddle action to avoid excessive aeration.

### **Fibreglassing**

Flood the material with mixed resin. Use a fibbed roller to ensure that the cloth is evenly wet out and air bubbles have been removed.

### **Glueing**

Use a spatula or broad knife to apply. When glueing ensure that mix is applied to both mating surfaces.

Do not over-clamp joints. Epoxy adhesive requires a filled glue line for optimum performance.

## **VI. PRODUCT WARRANTY**

When used as directed ADOS All Purpose Epoxy Resin will provide durable waterproof protection for 15 years

**PRODUCT WARRANTY:** CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries NZ makes no representations or warranties of any kind concerning this data.