



CRC Industries NZ

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

The revolutionary new way to make repairs. ADOS 121 is an epoxy polymer with glass fibres integrated into the hardener – making use so easy. All the advantages of traditional fibre glassing with none of the disadvantages. Easy 1:1 mixing, strong and flexible, bridges gaps, waterproof and can even be applied in the wet to almost any surface including polystyrene.

The 1:1 mix ratio of resin and hardener and integrated glass fibres eliminates the use of fibreglass cloth, scissors, brush, roller and clean up solvent, and makes fibreglass repairs quicker and easier than ever. ADOS 121 is strong, with high tensile strength, but is also flexible. It bridges gaps and is self-supporting, so that it can be formed into almost any shape desired.

ADOS 121 is waterproof, non-flammable, low odour, solvent free, safe on almost any substrate including polystyrene and most plastics, produces significantly less waste compared to traditional fibre glassing methods.

## ***II. Features & Benefits***

- Quick and Easy to use
- 1:1 Mix Ratio
- Multi-purpose Structural Repair
- Epoxy with Integrated Glass Fibres
- No additional materials required.
- Strong High Tensile Epoxy
- Bridges Gaps, Self-Supporting
- Waterproof
- Cures Underwater
- Suitable for Most Surfaces
- Suitable to drill, mill, tap, screw, sand, plane and saw

ADOS 121 fills cracks and holes, bridges gaps, joins, constructs shapes, bonds and replaces traditional fibreglassing methods on:

- Fibreglass
- Metal
- Wood
- Most Plastics
- Glass
- Iron
- Aluminium
- Tile
- Stone
- Roofing
- Join dissimilar objects (e.g. plastic pipe to metal pipe)
- Almost any substrate



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### III. Application and Directions

**DIRECTIONS-Read entire label before use:**

1. Remove all dirt, grease, oil and contaminants from area to be repaired.
2. Using 80 grit sandpaper sand 2-5cm beyond area to be repaired down to bare metal or fibreglass. Remove all dust created by sanding.
3. Mix Part B before use to ensure even distribution of the glass fibres
4. Mix by volume equal parts of (part A) and (part B) on a flat board – ensure a minimum of two minutes mixing time. Apply to the work, extending 2 -5 cm beyond the area to be repaired.
5. Allow area to cure for approximately 12 - 24 hours. Curing will take longer at cold temperatures. Once cured, sand repaired area with dry sandpaper until desired result is achieved.
6. To avoid yellowing, the repair can be coated with ant paint system..

### IV. Typical Properties and Characteristics

Type	Epoxy composite
Composition	Fibre-reinforced 2 pot epoxy
Colour	Opaque white
Temperature Range	Up to 70°C. Post curing at 100°C for 2 hours will increase temperature resistance to 120°C
Working Time	30 minutes
Tensile Stress (ASTM D638-22)	25MPa
Compressive Strength (ASTM D695-15)	33MPa

### V. Package Description

Part Number	Size
4420	500ml

### VI. Special Precautions

**READ LABEL BEFORE USE:**

**WARNING:** Causes skin irritation. Causes eye irritation. May cause allergic skin reaction.

**PRECAUTIONS:** If medical advice is needed, have product container or label at hand. Wear protective gloves, clothing and eye protection.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present.

**IF ON SKIN:** Remove immediately all contaminated clothing. Rinse skin with water and soap.

**IN CASE OF EMERGENCY - PH: 09 278 7913**

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 08/23

**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 makes no representations or warranties of any kind concerning this data.