



## TECHNICAL DATASHEET

### ADR 250 Epoxy Resin

#### General Description

Adhesive Technologies ADR 250 is a low viscosity, solvent free epoxy resin specifically formulated for the use with the ADH range of hardeners to cure at room temperature or low temperature applications in timber and composite construction. It is designed specifically to wet out and bond with wood, fibreglass, reinforcing fabrics and a variety of metals.

#### Typical Applications

Boat construction, Potting, Encapsulation, infusion systems, composite structures and products.

#### Mix Ratio

Mix 100 parts of ADR250 resin to 20 parts hardener by weight. See table below.

#### Uncured Properties

Physical State:	Colourless Liquid
Specific Gravity (g/ml):	1.15
Viscosity @ 20°C (cPs):	900

#### Cured Properties

	ADH25	ADH26	ADH28	ADH160	ADH162
Mix Ratio: (by weight)	20pph	20pph	20pph	20pph	20pph
Pot Life: 100g @20°C (mins)	9-12	20-25	35	50	90
Thin Film @20°C (mins)	60-70	90-110	100	120	210
HDT After 7 Days @ 20°C	52°C	54°C	52°C	45°C	40°C
Ultimate HDT (12 hrs @ 60°C)	68°C	75°C	74°C	70°C	70°C
Acceptable Post Cure Requirement: 24hrs @ 20°C followed by 6hrs @ 50°C					

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

#### Storage

ADR 250 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

Adhesive Technologies NZ Ltd provides its customers with a product 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 have a moderate sensitising potential and should be considered as mild skin corrosives. ADR 250 should not be ingested; in an unlikely event ADR 250 is ingested, see your nearest physician immediately.

- Use with good ventilation and adequate safety equipment including gloves.
- If skin contact occurs, wash with 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 Poisons Information Centre.

**Hardeners** – DO NOT induce vomiting, give plenty of milk or water and contact a doctor or Poisons Information Centre.