

# ADR230 – ADH230 Epoxy Resin

## Technical Data Sheet

ADR 230 is a low viscosity, solvent free epoxy resin, designed as a clear resin, specifically formulated for use with ADH 230 Hardener.

ADR230 cures at ambient temperatures with a low exotherm and long open time. It contains a low level of blue pigment to combat yellowing with age.

- ✓ Used for Deeper casts e.g. river tables
- ✓ Flower arrangements

**MIXING RATIO:** By weight 30 : 100

(30 parts ADH 230 Hardener to 100 parts ADR 230 Resin)

**Note:** Care should be taken when dispensing and mixing. Optimum results are achieved when recommended ratios are used. The mixture should be thoroughly mixed to ensure full homogeneity. After mixing one can decant into another container to ensure there are no unmixed resin or hardener on the sides. When larger volumes are required, more than one batch can be mixed and poured within the early period of its working time. Mix only the necessary amount and if larger volumes, use a metal or plastic stirring rod attached to a drill. Recommend checking the temperature (e.g. infrared thermometer).

### APPLICATION:

The mixed resin can be poured or brushed. The resin can be coloured with resin compatible pastes or pigments to obtain a transparent or solid colour.

**Level:** Ensure your pouring surface is perfectly flat and level. If a large surface spread resin out. The resin will self-level.

**Bubbles:** Bubbles created by mixing can be reduced by letting the mixed resin stand for a few minutes. Passing warm air over the working surface (heat gun or flame) will pop bubbles but be aware of rising resin temperatures. Do not hold heat close to surface otherwise you risk creating ripples and dimples in the resin finish.

**Dust:** Protect the piece from dust accumulation for at least 24-36 hrs. You can do this by using a dust sheet or a box to cover the piece.

**Cleaning:** All mixing containers and tools can be cleaned with acetone or cellulose thinners.

**Curing:** Room temperature should remain as constant as possible. If resin temperature tends to rise, a fan can be used at a distance to keep airflow over the resin. Too close it will make ripples on the resin surface.



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SPECIFICATIONS	20°C
Physical state	Colourless liquid with slight bluish tint
VISCOSITY ADR230 Uncured	1160 mPa.s (cps)
PRACTICAL WORKING TIME: (1kg mixed with ADH230)	To tack free: 21 hours
Specific Gravity (g/ml) ADR230 Uncured	1.14
Fully Cured	60 hours
HARDNESS: Cured	Shore D 80-85

*Additional specifications on website.*

**STORAGE:** ADR230 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:** Product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information, are available on the Resin and More website or by request. Direct skin contact should be avoided, all amines have a moderate sensitising potential and should be considered a mild skin corrosive. ADR230 system should not be ingested; in an unlikely event ADR230 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. MSDS available on website.

***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*

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