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UNIT 5 Manor Hill Farm

Purton, SWINDON SN5 4EG

ULTRA CLEAR EPOXY RESIN – QUICK CURE EH25 & ULTRA DEEP POUR EH125 – (Formally EH10 & EH50)

Intro:

Clear Epoxy Resin - This resin system is formulated for decorative applications including tables, coatings, small castings and Ultra Deep pour castings Etc. It is totally clear and has good UV resistance giving excellent optical properties with negligible shrinkage on curing.

Epoxy Resin PART A - This part A is common to both quick and deep pour variants. It will be the larger container, measured on weight (not volume).

Epoxy Hardener – Quick cure EH25 (Formally EH10)- You can achieve 25mm single pour depth – great for small castings , tables etc . Expected working time of 45-60 mins- Expected cure time of 24-48 hours (this is dependent on having warm ambient temperature, 20 deg C – Minimum)

Epoxy Hardener – DEEP POUR EH125 (Formally EH50) – You can achieve 125mm very deep single pour depths- great for deep castings – Cure time is 3-5 days – a good ambient temperature is critical for a successful cure (20 deg Minimum) .

How to Use:

Temperature:

The temperature of the resin and the ambient temperature directly affect the curing time of the resin. Quoted pot life and cure times are based on 20 Deg C. Colder ambient temperatures can potentially prevent the resin curing. For regular uses or if cold workshop conditions cannot be avoided- I recommend reptile heat mats which will provide a 30 deg C heat surface to help the resin cure.

Note – This resin has a specific gravity of 1.1 which means its heavier than water – This means 1kg is not 1 Litre- it is approx 900ml by volume- Please factor this in to you calculations.

Mixing by Ratio:

We recommend you use digital kitchen scales and zero the scales for each step. The ratio is 2 to 1 resin to hardener and is done on **WEIGHT** not volume. For example for 60g of resin, add 30g of hardener. The correct mix ratio is essential, DO NOT guess or add more hardener to speed up the cure it will ruin the mix.

The combined liquids must be thoroughly mixed manually or mechanically to completely remove any haziness or streaks, scraping the sides and base of the mixing pot then transferring the mix to a second container and stirring is best practice for good castings. An entirely homogeneous mix is essential in achieving optimal results.



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Shelf Life & Storage:

Shelf Life is 4 months from date of purchase – The resin needs to be stored in a cool dry place out of sunlight but not cold – IF the resin is stored in sub zero conditions (garage in winter) then crystals can form – These can be dissolved by placing the resin in very hot water.

Safety:

We strongly advise you use the resin with good ventilation and always use protective gloves.

Please dispose of any unused resin responsibly

We can provide a full MSDS upon request

Hazards Identification

- Irritating to eyes and skin.
- May cause sensitization by skin contact

Environmental hazard:

- Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Primary route of exposure: Skin contact

Symptoms relating to use:

- Inhalation - None
- Skin contact - Initial moderate skin irritation. Prolonged or repeated skin contact will remove natural oils which may lead to dermatitis.
- Eye contact - Contact with eyes is likely to be irritating.
- Ingestion - Abdominal pain, nausea.

First aid measures

- Inhalation: Assure fresh air breathing
- Skin contact: Wash skin thoroughly with mild soap and water, seek medical attention if irritation develops.
- Eye contact: Rinse immediately with plenty of water.