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Epoxy Resin Repair Kit Instructions.

These are basic instructions based on simple repair using Epoxy resin. There are many techniques that can be adopted, we find YOU TUBE a good source of info to look up a similar project.

The kit is most suited for use with Re-enforcements such as carbon fibre- Kevlar or similar matting.

Additional items : (Not provided but useful):

Disposable gloves
Kitchen scales – accurate measuring of the resin essential
Empty plastic pot for mixing (clean)
Insulation Tape
Masking Tape
Acetone – For degreasing and cleaning

Preparation:

1. Preparation is critical for a good outcome, for the material to bond. The repair area needs to be completely dry. It needs a good mechanical anchor; it is essential to prepare by sanding the area first. If you wish you can mask off the working area first before thoroughly sanding the area.
2. Make sure all materials are cut and ready to use and close at hand.
3. Mix the resin – Thorough mixing is critical to a good outcome. DO NOT GUESS the quantities – please use scales and mix at 2 to 1 ratio by weight. So for example 20g PART A – ADD 10g PART B.
4. Use some resin onto the repair area first with the brush before adding the carbon fibre. This needs to be "wetted" out with the resin using blotting action to remove any bubbles.
5. Leave to cure, If ambient temps of 20 Deg C or more expect curing in 24hours. If in cold conditions, extra time may be needed.
6. Remove any masking, tape when the repair is approx. 90% complete (finger tacky) , It can stick otherwise
7. Optional Further coat: You may wish to enhance the repair with a further coat, Wait until 1st coat is cured and sand again to key the surface also removing any high points or blemishes, Recoat with the remaining resin.
8. OPTIONAL - To enhance further, sanding with wet and dry up to 1500 grit , then use a cutting paste (like car T cut) and finally polish. This is subjective, you may be happy with the repair without doing this.



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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.