

## Hints and advice



**Resin** is **toxic** and has a shelf life of about 6 months.

When closing the lid of the Resin try to clean off any of the resin that could have spilt onto the rim. Maybe use pieces of a shopping bag over the tin before screwing down the lid, this will make it easier for you to unscrew lid at a later stage.

**Catalyst** is **toxic** and **poisonous**, do not leave around where children can get hold of it. In the event of catalyst getting in one's eye, place eye under running water for at least 5 min.

**Acetone** is very **flammable**  
Do not leave resin, acetone or catalyst near flames.

*Keep kit in a cool place at all times.*

When grinding fibreglass (**using a dust mask is a must**), fine dust may cause one to itch. The best way of preventing irritation is by wearing long sleeves, however if dust does land on your skin, just put your arms / hands under running water. **DO NOT** scratch as this pushes the fine dust into your pores and then you will itch.

 **DUROplastic**

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## Fibreglass Repair Kit

- Fix your boat
- Fix your car
- Fix you swimming pool
- Fix your leaking gutters
- Fix your pipes
- Fix your tractor
- Fix your aeroplane (well maybe not)
- Fix your leaking roof



### Contents

- 3x cups
- 500gm resin
- 25mm brush
- 1x mixing stick
- 3x Paper Towels
- 300g/m<sup>2</sup> Chop strand fibreglass matt
- 10gm Catalyst
- 250ml Acetone
- 1x pair of Gloves
- 1x Instruction Manual



**1** Before starting with any Fibreglass repair make sure your surface is well cleaned of loose dirt, oils and any rust, etc. Ensure you use correct safety equipment at all times.

After grinding down surface try to clean area with a bit of Acetone cleaner and a piece of old cotton T- shirt this will improve adhesion of the fibreglass and resin.



**2** Prepare your fibreglass and resin Before you start. With the fibreglass Make sure you tear (important to tear not cut as this will allow a "feathered" edge) to the size you require. Place dry fibreglass matt on a piece of clean dry cardboard/ chipboard / masonite .



Next step: pour out the resin and mix in the catalyst. Please note the resin **will not harden without catalyst**. The resin will harden in less than 20min so work quickly after mixing the resin. Use the paper cups provided and pour to just over half the height of the 175ml paper cup (+-100gm). Do not mix more than what you can use in 15min. Make sure to put on gloves prior to using the resin. Now add the catalyst. To make the resin go hard at least 2% is required. One can use a scale or estimate by applying about 40 - 50 drops of the catalyst to the 100gm. If you are experienced then you can drop the catalyst down to about 25 drops, this will extend



**3** Paint a thin layer of resin on the part to be repaired, prior to applying the "Wet" matt onto the repair surface. This will help adhesion. Place the wetted out matt onto the area and then stab/stipple the area with the brush . Make sure to try get out all the air from under the matt, don't worry it takes skill and sometimes more difficult that it looks. If you really have a problem then use your fingers and maybe pierce matt with a nail to get air void out. You can apply more than one layer over the area of repair. Try to stagger the overlaps.

**4** Stir the catalyst very well into the Resin. You will notice the colour of the resin change , this implies that the resin is beginning to react.

Take the brush that is provided and "stab" at the matt with the brush after dipping the brush in the resin. This will "wet out" the matt . Once the whole surface of the matt has changed from a white colour to "see" thru you can transfer the "wetted" out matt to the surface you want to repair



**5** Finish off job as best as one can by Brushing the top surface smoot with little bit of resin. Remember that you must only attempt as much as you can finish in 20min. You can always mix up some more resin again. Try to clean your brush with some Acetone and take off your gloves and wash your hands.

Wait for resin to go hard (2 - 4 hours).

You can now grind down the high spots and leave or go onto using the Duroplastic special "bodyfiller" repair kit.

