

## **ABL (STEVENS) Resin & Glass**

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### **Fibreglassing**

Firstly either cut or tear the fibreglass, enough to cover the entire surface. Where these pieces will meet it is necessary to arrange a slight overlap of torn edges which helps to achieve hidden joints

Measure out some resin, say 500g. into ideally a polythene pot. Add 2% catalyst (10g) and mix in thoroughly. Volume criteria may be more convenient (500ml and 10ml).

Now proceed to paint resin on the whole surface.

Place into position the glassmat pieces and anchor each using a stippling brush action, do not comb. Now apply the resin generously with the same stippling action and note how the fibreglass becomes translucent as it wets out. Trapped air pockets become easier to see and can be teased out.

The second layer can be applied without waiting for the first to set. Bear in mind that the resin will be approaching gelation and the brush needs cleaning before it occurs. Acetone is best, cellulose thinners will work as will strong detergent and hot water. Simply catalyse another shot of resin to finish off this second layer should it be needed.

Remember - Ambient workshop and material temperatures relative to the above would be around 21°C (70°F), giving a resin pot life of around 15 to 20 minutes. In cooler conditions catalyst may be increased say to 3% and the converse applies in elevated temperatures, down to 1 %, to assist in maintaining adequate working time.

A fan heater or hairdryer can be used to accelerate gelation and cure following

lay-up. Wearing of gloves is strongly recommended when handling these

materials. Handle the catalyst with great care as it has corrosive properties.

Polythene mixing pots have the advantage of being re-usable since the resin does not stick to them when set.

These notes are given in good faith for general guidance purposes only and since actual operating conditions, methods and application techniques are beyond our control we cannot accept liability for any losses however they may occur.

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