

## Pre-Paint>Fuselage>Interior>Fit rear seat

### Objectives of this task:

In this task you will fit the bottom and back of the rear seat into place and fill the cavity under the seat bottom with expandable foam to provide rigidity.

### Materials required:

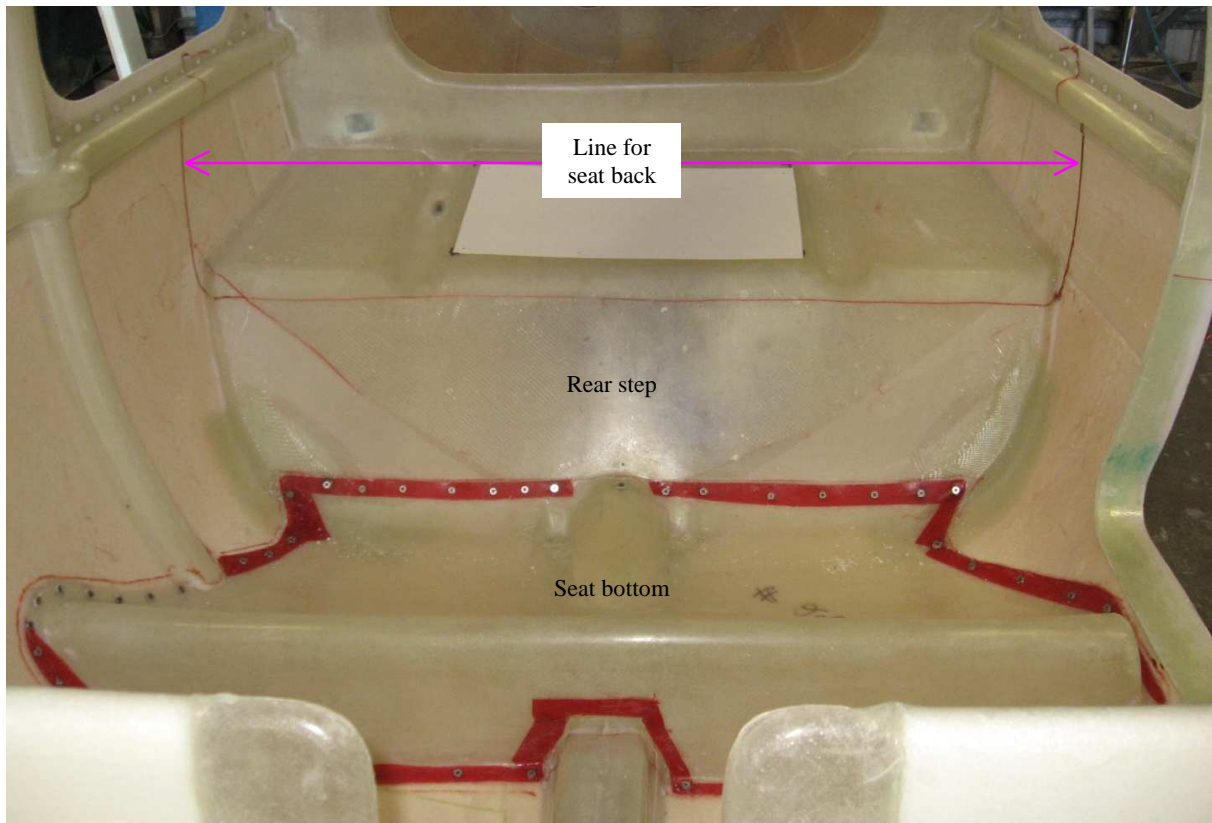
Epoxy resin and flock

Expandable foam - included in the kit:

### Fit the seat bottom

Start by test fitting the seat bottom as shown below – it may be necessary to sand or cut to fit in some places. Once the seat bottom fits firmly into place, tape or hold it in place and then drill 3/32” holes and fit 6G self-tapping screws at ~50mm centres around the entire outside edge, through the fuselage. Start by fitting a screw at each corner then add the screws each side of the longitudinal rib then fit the remaining screws until the bottom is secured all round.

Mark the fuselage around the edge of the seat bottom and remove the bottom. Remove the red peel cloth from under the seat, then sand around inside the mark and also sand the edge and under the seat bottom then mix a batch of resin and coat both surfaces to be bonded.



Mix some flock into the remaining resin and apply a 2mm coat right around the marked area on the fuselage and then fit the seat bottom into place and secure with the 6G screws and leave overnight to cure. Next day remove the screws, heating them first if necessary.

Remove the red peel cloth and sand around the edges of the join between the seat bottom and the fuselage and sand around the join. Mix a batch of resin and coat the surface and then brush on 2 layers of 2” wide glass fibre tape right around the join. Leave overnight to cure.



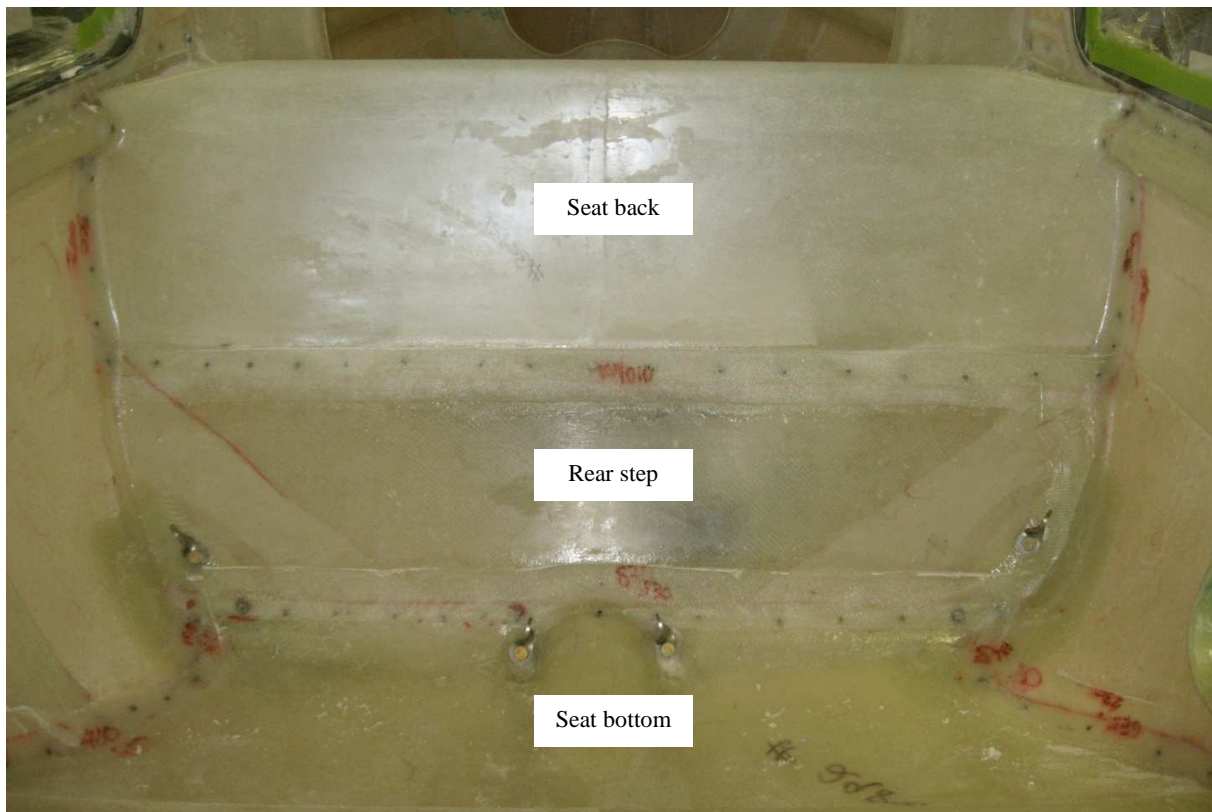
Next day drill 4 x ½” holes just behind the front lip of the seat bottom, 2 on each side, and fill the entire cavity with expandable foam, using about half of the can per side and aiming the spray generally backwards. The foam will expand to several times it’s original volume so take it slow and easy – read the directions before you start using the can.

Any excess will flow back out of the holes: trim it off once the foam has finished expanding and glass over each hole later. It is not necessary to completely fill the cavity, although you may if you wish, so long as the main seating area has foam clearly visible under the rear ¾ of it. Clean away any excess foam and leave to set, preferably for at least a few hours.

### **Fit the seat back**

Test fit the seat back and sand or cut to fit as required. Make sure that each side at the top is an equal distance from the rear bulkhead – mark the fuselage as a reference: see the photo on the previous page. It may be necessary to shape the outside tops of the seat back slightly in order to blend smoothly into the rib that runs along the bottom of the rear windows.

Using the same technique that you used for the seat bottom, screw the seat back into place with 6G self-tapping screws. Remove the seat back and sand around the area to be bonded. Mix a batch of resin and coat the surfaces to be joined, add some flock and flock the seat back into place, securing with the 6G screws and leave overnight to cure.



Next day remove the screws, heating them first if necessary.

Remove the red peel cloth and sand around the edges of the join between the seat back and the fuselage and sand around the join. Mix a batch of resin and coat the surface and then brush on 2 layers of 2” wide glass fibre tape right around the join. Leave overnight to cure.

This completes the *Pre-Paint>Fuselage>Interior>Fit rear seat* task.