

Equipment

Name	Supplier
Acetone	IC
Cotton Buds	RAL
Melinex tape	RAL
Paintbrush	RAL
Mixing pot	RAL
Mixing Spatula	RAL
Gloves	IC
Wipes	IC
CPR600 Resin	RAL
ANC506 Hardener	RAL
Spreader	RAL
Dispensing gun	IC
Dispensing gun nozzle	IC
CPR600 Resin (with carbon black pigment)	RAL

Material Safety Data Sheets

CPR600 (SER 300)	Pdf Attached
Araldite 2011	Pdf Attached
ANC506 Hardener	Pdf Attached

Method

1. Glue scintillating fibre (or clear fibre) to frames (or connector) - *Location – IC*
 - 1.1. Clean frames with acetone.
 - 1.2. Place release film on jig.
 - 1.3. Fix frames (or connector) to jig and wind fibres.
 - 1.4. Place melinex tape over fibres to hold them still.
 - 1.5. Mix 2/3 CPR600 and 1/3 ANC506 in a mixing pot (Required: spatula, gloves, wipes, extraction).
 - 1.6. Apply resin mixture to fibres using paintbrush.
 - 1.7. Room cure for 24 hours (or heat to 40-50° to speed up cure).
 - 1.8. Repeat on underside of jig.
2. Apply araldite - *Location – IC*
 - 2.1. Once resin is cured use araldite 2011 cartridge with dispensing gun and nozzle.
 - 2.2. Build up layers of araldite to help with polishing stages.
3. Potting – *Location - RAL*
 - 3.1. Transport assembled stations to RAL.
 - 3.2. Pott frames using CPR600.

Note: Need to check light proofing requirements of room.