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WHITE Gelcoat Instructions :

Gelcoat is the OUTER layer often found in mouldings or laminates with a highly polished and shiny surface. It is a specialised polyester based resin , mixed with the same MEKP hardener. Gelcoat is designed for using with a mould – it is the first layer applied to the mould – It will cure TACKY to then allow re-enforcements to applied to it such as fibreglass matting. Once extracted from its mould the outer surface is now the gelcoat layer with the fibreglass underneath providing all the strength component.

Important – The gelcoat is deliberately designed to stay tacky – its cure is inhibited with the presence of Oxygen. If the gelcoat is to be used for a post mould repair (or in other words to cure touch dry) then 2 methods can be used. Method A – Add some wax solution at a mix ratio of 2% by weight . Method B – After applying gelcoat to the repair area- cover the area to prevent oxygen inhibiting the cure – Heavy duty and shiny plastic sheets can often do the trick.

Alternatively : consider **TOPCOAT** – Topcoat is effectively the same gelcoat but with the wax already added – It cures touch dry without any need for covering etc.

STEPS :

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

Additional items required - Not provided but useful

Disposable gloves

Kitchen scales

Empty plastic pot for mixing (clean)

Wet and dry paper and polishing and compounding - to finish and polish repair area

Preperation:

1. Mould Preparation is critical for a good outcome and for the gelcoat not to stick to the mould. Waxing the mould and using products like PVA will all help a trouble free mould release, The quality of any piece from a mould is of course only as good as the mould it came from.
2. Mix the Gelcoat – Thorough mixing is critical for a good outcome. DO NOT GUESS the quantities – please use scales and mix at 2% Ratio. For example – for 100ml of resin add 2ml of hardener. For 50ml Topcoat – add 1ml of hardener. Top tip – Use a little more gelcoat than required, easier to sand back when fully cured.



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3. Leave to cure, If ambient temps of 15 Deg C or more expect curing in 24hours. If in cold conditions, extra time may be needed. We advise that the product is NOT used in very hot conditions above 25 deg C in direct sunlight.
4. Once the gelcoat is cured – minimise the time before adding further re-enforcements – This avoids contamination of the gelcoat surface to ensure good adhesion to the laminate layer .

Safety:

We strongly advise you use the Gelcoat 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.