

## 3310 RESIN CAR

LIQUID POLYESTER RESIN FOR REPAIR



Car refinish



Nautical use



Two-component



Ready-to-use



Brush



pouring



Dry sandable

### Description and Use

Liquid polyester resin recommended for impregnation or pouring, on its own or together with glass fabric, that will act as a support for the resin during the hardening, and to improve the mechanical features.

It hardens by adding a liquid catalyst based on organic peroxides.

Suitable for repair and reconstruction of worn out parts.

Product also suitable for nautical use.

### Substrate preparation

Surfaces to be treated must be dry, clean, free from dust and grease, and made rough by sanding.

#### Suitable substrates:

Fiberglass free of detaching agents, sheet metal, cement, wood and hard plastic. For applications on different materials apply to our TECHNICAL SERVICE.

#### Not suitable substrates:

Wash primer, epoxy primers with phenolic hardeners, thermoplastic varnishes, solvent sensitive primers.

Aluminum, light alloys, galvanized and difficult-to-adhere substrates must be previously treated with a non-phenolic or acid cured adhesion primer.

## Application

### Application method:

- brush
- Flow application

### Product preparation:

To use it, add to the resin the liquid catalyst in the amount of 100 parts of "A" and 3 parts of "B" by weight. Stir thoroughly until to get a homogeneous mass.

### Application method:

With a brush spread on the surface a thin layer of catalysed resin.

Then apply a piece of glass fabric, cut in the proper dimensions.

Imbue well the fiberglass with new resin making a light pressure to release the air.

To improve the mechanical features, use small quantity of resin with a lot of fiberglass.

To get high thickness, repeat more times this operation.

Working by flow, it is recommended not to realise high thickness all at once, to avoid cracks and excessive overheating (by exothermic reaction).

Hardening and workability times change notably according to the temperature, slowing down with the cold and shortening with the heat.

### Infrared rays lamps:

Using IR lamps, waiting time before continuing to work can be reduced, getting at the same time a more dry surface.

After application allow some minutes before radiating the resin.

It is important that resin temperature never exceeds 60°C.(140°F.)

Refer to the lighting system manufacturer to get correct user information (e.g. times and distances).

### Recoating:

After sanding, it is possible to apply any two-pack solvent-based product; for different products value type by type, making suitable tests.

## Storage life

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with the current legislation.

## Technical features

Colour	amber, transparent
Binder	unsaturated polyester resin
Specific gravity comp. A	1.10 kg/l (± 0,03)
Viscosity part "A"	1000-2000 mPa.s Brookfield RVT rpm 20 s 3
Gel time	18-26 minutes
Complete polymerisation	after 24 hours
Workable	after 2 hours, with a dry sander
Flexibility	poor
Water resistance	good
Solvent resistance	good
EU limit values for VOC content (Directive 2004/42/EC)	Category B/b, SB: VOC max 250g/l; product VOC < 250g/l
The data are measured at a temperature of 20°C and 65% R.H.	

## Warnings

- For professional use only.
- Always read the safety datasheet before use.
- Dispose of contents / container in accordance with national regulations.
- Tools can be cleaned using acetone or DILUENTE NITRO ANTINEBBIA (cellulose thinner) code 1616.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The RESIN CAR colour can turn to green, but it is a characteristic of the binder, and will not change the technical features.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market can lead to slight deviations in the declared values. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

**PRODUCT IS NOT SUITABLE TO GET IN CONTACT WITH FOODS.**

**DO NOT USE WHEN TEMPERATURE IS BELOW + 10°C.(50°F.)**

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at [assistenza.technica@impa.it](mailto:assistenza.technica@impa.it).