

# Technical Bulletin

## EPOXYBOG

### FAIRING & COVING CREAM

#### 1:1 EASYMIX

#### xtra LITE & creamy

READY FOR USE, NO OFF RATIO MIXING, NO MESSY POWDERS, NO SLUMP PROBLEMS, EASY TROWELLING & SANDING

#### EPOXYBOG Fairing Compound

A unique and novel epoxy product for marine and industrial fairing and filling

#### EPOXYBOG xtra LITE

A perfect low density, easy trowelling fairing compound for large areas. Similar in consistency to automotive polyester filler, however it has very good trowelling characteristics

When cured, SANDS EASILY. Perfect for coving (filleting). Retains a feathered edge. Although designed for commercial fairing of large areas, it is the ideal DIY solution and comes in pack sizes starting from 500ml

Its creamy consistency offers superior application properties and cured performance to all fairing products currently available. Designed for fine fairing of boat hulls with minimal slump, but may be used in any filling or coving application

Has been formulated to exhibit similar fairing characteristics to light weight polyester systems but to have the cured superior adhesion, water resistance, and strengths of an epoxy

Excellent bonding ability allows it to be used on most substrates. Will cure in thick film with negligible exotherm and shrinkage to a hard, resilient mass, which may be milled, sanded, filed or drilled with ease

**Once you have used a pregelled easymix 1:1 EPOXYBOG, it will be very hard to go back too messy, off ratio 3-part mixing** (epoxy resin + hardener + filler powder)

#### BENEFITS

- Pregelled and very easy to mix and apply
- More cost effect than mixing 3 component systems due to ease and speed of use
- Easymix 1:1
- Non-shrink, non-slump, non-staining, solvent less
- Excellent hydrophobic tendency
- Inherent water repellency allows this product to be used below the waterline when over coated with a pure epoxy
- Low amount of inorganic silica in the mixture means greater safety during sanding operations
- Planes and sands easily with little wear on blades and no clogging of sandpaper

#### USE FOR

- Purpose designed for fairing and filling in marine and industrial applications
- Construction repair work
- As a moulding material for applying shapes, covings, (fillets) etc

**Note:** This system does not cure like polyesters (5-10 minutes) but requires approximately twelve hours to sandable state. This is necessary as the slowness is inherent to control exotherm with negligible shrinkage, and allow a high degree of adhesion to the substrate.

Not designed as a standalone product below the waterline, but will give exceptional water resistance. Overcoat with Epoxy Marine 4:1 laminating system. A good rule for below the waterline is:

- Laminating resin onto hull first
- Fair or rebuild with EPOXYBOG
- Laminating resin over, followed by normal paint coats

#### PREPARATION

**Timber:** Plane and sand surface to a fair condition. Degrease surface if necessary; this is important with oily timbers such as teak. Cross hatch sand with 100 grit paper

**Steel:** Degrease surface if necessary. Abrasive blast clean to give a sharp profile. Vacuum away all blasting dust. Alternatively, abrade with medium sandpaper, or, degrease and power wire brush or metal disc clean to bright steel or as best as possible

#### Alchemis Ltd

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## Alchemis Epoxy Products

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**Aluminium:** Abrasive blast clean with sand to give a sharp profile. Alternatively use a proprietary aluminium etch primer as per the instructions given with the product

**GRP:** Degrease and cross hatch sand with 60-100 grit paper. Polyester must be fully cured. Take special care as surface wax may be present.

**Customwood, Particleboard:** (Benchtops, etc.) Sand as per **Timber**

1. Measure out equal quantities by volume onto a flat board and mix thoroughly. Use a wide blade spatula and avoid entrapping air
  2. Mix thoroughly to an even colour
  3. Do not alter the ratio or you will experience a slower cure and lower physical strengths
  4. Apply immediately to the clean, prepared substrate
  5. Use a polyethylene scraper to wipe the EPOXYBOG onto the surface in thin layers. The wiping motion removes air bubbles
- ➡ The exceptional rheological properties allow the mixed material to be applied to vertical and inverted surfaces in thick film. Working time is excellent, so larger mixes are possible

### PACKAGING

250ml + 250ml	=	500ml pack
500ml + 500ml	=	1 litre pack
1lt + 1lt	=	2 litre pack
2lt + 2lt	=	4 litre pack

\*8 litre pack and 20 litre packs available upon request

- ➡ DO NOT add solvent to the mixed EPOXYBOG as this will be entrapped in the cured system, and will weaken it
- ➡ CAUTION Because of its consistency, this is an unfiltered product. Whilst the raw materials conform to narrow specifications, some discreet particles may be evident. These will sand easily, and over coating with a 2-component epoxy sanding sealer is recommended
- ➡ Epoxy resins and their curing agents will cause skin sensitization if in continuous contact. Use disposable plastic gloves to avoid skin contamination
- ➡ Epoxy solvent should never be used to wash hands.
- ➡ If resin comes into contact with skin, wash uncured resin off with soap and water
- ➡ Wear safety glasses to avoid eye contamination

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