

4.153 Gemrez S 2:1

surf laminating resin

Gemrez LR 2:1-S is a laminating resin for fibreglass, timber, concrete, minerals, jewelry, and other materials. It is particularly suited to surfboard manufacture, and a clear coat for artwork.

It has outstanding clarity and UV resistance, along with excellent impact resistance and flexibility.

In addition to laminating, it can be used as an adhesive, and a clear finish coat. When filled with Qcells, microballoons, or similar it can be used as a sandable filling coat.

Gemrez S 2:1 is suitable for use in the surfboard, construction, timber, electrical, and marine industries.

Performance and limitations

- Recoat within 4 - 8 hours @ 20°C.

Physical properties

Coating type	Two component epoxy
Appearance	Resin – clear liquid Hardener – clear liquid
Solids	100%
Solvent	N/A
Mix ratio	2:1 by volume
Pot life (@20°C)	15 minutes
Cure to handle (@20°C)	4 – 8 hours
Cure hard (@20°C)	24 hours full cure

Surface preparation

- All contaminants must be removed from surfaces to be laminated.
- Sanding between coats is recommended

Application

- **Hand mix:** Add 1 part hardener to 2 parts base (by volume) and thoroughly mix.
- Surfboards typically require 1.5 - 3 litres of resin depending on size.
- Storing, applying, and curing in a room @ 23°C is recommended.
- Mixing small quantities is recommended in hot climates.
- Apply by brush, roller, or squeegee when laminating.
- Recoat within 24 hours @ 20°C.
- When filled with Qcells, microballoons, or similar can be used as a sandable filling coat.
- Fumed silica e.g., Aerosil 200 can be used to thicken for use as an adhesive.
- **Cutting and Polishing:** Wet sand with 600 then 1,200 grit paper until a uniformly flat finish is achieved. Buff using a 3M sheepskin buffing pad and 3M Perfect-It III 5936 cutting compound (or equivalent) until level of gloss required is achieved. A coat of 3M Perfect-It III polish (or equivalent) can be applied to give a very high gloss finish.

Safety precautions

Refer to the Safety Data Sheet for this product prior to use. Please ensure that they are familiar with all aspects concerning safe application of this product, including appropriate personal protective equipment (PPE). If you are unsure about any health and safety aspects of this product, do not use it.

END OF TDS

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The logo for gemco, featuring the word "gemco" in a bold, lowercase, sans-serif font.

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