

**Moulding and Casting Materials Contact Us**

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Solid Coat 607 Exterior Clear Epoxy

Laminating Resin

Composition and Properties

Solid Coat 607 is a sealer & laminating resin for fibreglass, timber, concrete, and other materials. It is particularly suited to manufacture of surfboards due to its outstanding clarity and UV resistance. 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. It has excellent impact resistance and flexibility.

Solid Coat 607 has low odour and pleasant handling characteristics.

It can be tinted with the correct tinters or dyes - contact GemCo Ltd.

Solid Coat 607 is used in the construction, timber, electrical, & marine industries.

Physical properties

- **Appearance:** Base - low viscosity clear liquid
Hardener - low viscosity clear liquid
- **Odour:** low odour
- **Coating Type:** Epoxy
- **Packaging:** 3, 30 litre ,two part pack (also available in 200L drums)
- **Mix ratio:** 2:1 (base : hardener)
- **Pot Life:** Approximately 15 min @ 20 °Celsius (150 ml mix)
- **Coverage:** 5-10 sq metres/litre typical @ 200 microns thickness
- **Dry to Recoat:** Typically overnight - will vary according to temperature & humidity

Preparation

- All contaminants must be removed from surfaces to be laminated.
- A test patch is recommended if the product has not been used before.
- Sanding between coats is recommended

Application

- For best results store , apply, & cure resin at temperature of 25 ° C.
- Add 1 part hardener to 2 parts base (by volume) and thoroughly hand mix .
- Hand mix small quantities with a stick taking care to scrape sides & bottom of container then allow to sit for a few minutes for air to come out - watch pot life.
- In cooler weather pre-heat containers in hot water or similar.
- Apply by brush, roller, or squeegee when laminating.
- When coating a floor mix resin by hand then pour on to floor and apply by squeegee. Then very lightly smooth off with foam roller. Minimise the amount of rolling as it entrains air.
- Recoat within 24 hours — sanding between coats is recommended after 24 hours.
- Allow to cure in a dust free environment — in cooler weather heat room to keep at 25 °C.
- When filled with Qcells , microballoons or similar it can be used as a sandable filling coat.
- Fumed silica or similar can be used to thicken Solid Coat 607 for use as an adhesive.
- Cutting & Polishing - wet sand with 600 then 1200 grit paper until a uniformly flat surface is achieved. Buff with 3 M 5958 cutting compound (or equivalent) until level of gloss required is achieved. A coat of 3 M Perfect-It III polish (or equivalent) can be applied to give a very high gloss finish.

Handling Precautions

- Avoid contact with eyes and skin. Do not ingest. Use with adequate ventilation.
- Protective clothing , eye protection, and gloves should be worn. Keep away from children.

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