

PRODUCT DATA SHEET

NORGLASS LABORATORIES PTY.LTD.

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POLYESTER RESIN

DESCRIPTION: A general purpose orthophthalic resin for repair work and hand laid fibreglass laminations.

USES: Repairs to guttering, roof leaks, cars, caravans, boats, showers and many endless other applications.

PROPERTIES (at 20°C)

COLOUR: Blue. Changes colour to green when catalyst is added.

TOXICITY: See Precautions

FINISH: Satin

COVERAGE: 800ml of catalysed resin will wet out 1m² of 450g chopped strand Matt. (250ml for 1m² of Fibreglass cloth.) As a brush on film 7-8 square metres per litre is normal subject to absorbency.

DRYING TIME: See curing table reverse side

RECOATING: Up to 7 days at 20°C

POT LIFE: See reverse side

MIXING RATIO: 1-4% by volume

THINNING: Can only be thinned with Styrene monomer solution (nothing else)

WEIGHT/LITRE: 1.10kg

VOLUME SOLIDS: N/A

FLASH POINT: 30°C (closed cup)

CLEAN UP: NORGLASS ACETONE

UN NUMBER: 1866

PREPARATION:

Thorough cleaning is essential for adhesion. Remove all grease, oils, dust and other contaminants. Loose or flaking material should be sanded back to a stable condition. First roughen smooth surfaces by sanding with medium sandpaper. The surface to be treated must also be dry before commencing. NOTE: Surfaces such as polystyrene foam need to be previously coated with water based product to isolate the foam from attack by the polyester.

After the Polyester catalyst is mixed into the blue resin, the colour changes to green as the chemical reaction begins, then becomes translucent when cured.

IMPORTANT: The mixing ratio of catalyst to Polyester resin is between 1 and 4% of resin volume. For example, 100mls of Polyester resin will require 1-4mls of catalyst.

The following table indicates the approximate gel times that can be expected. Increasing the volume (mass) and /or % of catalyst will further reduce the working time available. **DO NOT LEAVE MIXED MATERIAL IN THE CONTAINER. DISPERSE QUICKLY INTO SHALLOW TRAYS TO AVOID HEAT DEVELOPMENT.**

% Catalyst by Volume	Approx. gel time (in minutes for 100g mass/108mls)			
	15°C	20°C	25°C	30°C
1.0	57	41	25	20
2.0	37	26	16	11

NOTE: DO NOT MIX UP MORE RESIN THAT CAN BE APPLIED WITHIN 15 MINUTES AT 20°C

APPLICATION:

As the areas of use are wide and varied, the following is a general guide only.

- Using a brush, wet the surface surrounding the cracks or holes with a thin coat of mixed resin, and immediately lay on the pre-wetted fibreglass matt patch or glass cloth by pressing it into the resin.
- Apply more mixed resin with the brush using a stippling action until the whole area appears clear. Resin starved patches will show as obvious white spots and must be recoated before the resin sets, otherwise these dry spots will have to be cut out later with a sharp knife.
- After the patch has cured, a filler coat may be applied by adding MICROTALC to a small quantity of mixed resin. A paste or putty like consistency can be obtained which can then be trowelled, or screeded on using a flexible blade. This filler coat will even out the texture of the fibreglass matt (or cloth) which can then be sanded smooth and painted. If the texture or profile is not a cosmetic consideration, a second coat of mixed resin can be applied without the MICROTALC.

TRANSPORTATION:

Flammable liquid.

Dangerous Goods Class 3.2. HAZCHEM 3[Y] P.G. III

Pack sizes available 20L, 4L, 2L, 1L, 500ml and 250ml

PRECAUTIONS:

- If using Norglass Polyester Resin, **use only Norglass Polyester Catalyst**. DO NOT USE ACCELERATOR.
- Treat all Norglass Polyester and Catalyst as FLAMMABLE.
- Keep away from naked flame.
- Polyester Catalyst is **extremely dangerous to the eyes** and can cause permanent damage. Wear protective glasses and rubber gloves when mixing and DO NOT rub the eyes with contaminated hands or clothing.
- Wash thoroughly after handling.
- Keep out of reach of children** at all times.
- DO NOT** store solvent or resin soaked rags in a confined space as spontaneous combustion can result.

FIRST AID:

If poisoning occurs call a doctor or Poisons Information Centre (Aust) on 13 11 26 or (NZ) 0800 764 766 and have label information ready.

If swallowed DO NOT induce vomiting. Give large quantities of water or milk. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and consult a doctor. Remove contact lenses if present and easy to do and continue rinsing. If skin contact causes irritation, remove contaminated clothing and wash skin thoroughly. If breathing difficulty arises remove to fresh air. Apply artificial respiration if not breathing.