

PRODUCT DATA SHEET

NORGLASS LABORATORIES PTY.LTD.

A.B.N. 92 001 807 245

P.O. Box 312, Neutral Bay. NSW 2089 Australia

59 Moxon Road, Punchbowl NSW

Ph: 61 2 9708 2200 Email: norglass@bigpond.net.au

Web: norglass.com.au



POLYESTER RESIN

DESCRIPTION:	A general purpose Ortho phthalic resin for repair work and hand laid fibreglass laminations.
USES:	Repairs to guttering, roof leaks, cars, caravans, boats, showers and many endless other applications.
SIZES:	20L, 4L, 2L, 1L, 500ml and 250ml
PROPERTIES (at 20°C)	
COLOUR:	Blue. Changes colour to green when catalyst is added.
TOXICITY:	See Precautions and refer to Safety Data Sheet
FINISH:	Satin
COVERAGE:	800ml of catalyzed resin will wet out 1m ² of 450g chopped strand matt (250ml for 1m ² of Fibreglass cloth.) As a brush on film 7-8 m ² 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 Preparation
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:	31°C

CLEAN UP: NORGLASS ACETONE

UN NUMBER: 1866

TRANSPORTATION: DG Class: 3 HAZCHEM:3Y P.G. III

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 a 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 opaque 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 10 MINUTES AT 20°C

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

1. 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.
2. 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.
3. After the patch has cured, a filler coat may be applied by adding MICROTALC to the resin base, mix, then add catalyst. 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.

PRECAUTIONS: 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 hands thoroughly after handling.
 Keep away from heat, sparks, open flames or hot surfaces. No smoking.
 Use only non-sparking tools. Take precautionary measures against static discharge.
 Open slowly to control possible pressure release.
 Do not breathe fumes, vapours or spray.
 Do not eat, drink or smoke when using this product.
 Avoid release to the environment.
 Keep out of reach of Children

SPECIAL

INSTRUCTIONS: DO NOT store solvent or resin soaked rags in a confined space as spontaneous combustion can result.

If using Polyester Resin, **use only POLYESTER CATALYST**. DO NOT USE ACCELERATOR.

FIRST AID: If poisoning occurs call a doctor or Poisons Information Centre (Aust) on 131126 or (NZ) 0800 764 766 and have label information ready.

If in Eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice.

If on Skin wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs get medical advice/attention.

If Swallowed rinse mouth. DO NOT induce vomiting. Give a glass of water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs.

If Inhaled remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.