

# EPOXY GLUE EPAR GP

## TECHNICAL DATA

### 1.0 DESCRIPTION

EPAR GP is a high strength, two-part epoxy glue. It is non-shrink and suitable for use where gap filling properties are required. EPAR GP having grease like viscosity, can be feathered out or applied up to 10mm thick on vertical surfaces. EPAR GP is suitable for service in either dry or wet conditions.

### 2.0 PHYSICAL PROPERTIES:

2.1	Viscosity	Grease-like.
2.2	Mix Ratio	2 parts resin: 1 part hardener by volume.
2.3	Pot Life	30 – 60 minutes for 200 grams at 20°C.
2.4	Minimum Application Temp.	0°C.
2.5	Shelf Life	1 year.
2.6	Cured Properties	
2.6.1	Colour	Milky Yellow
2.6.2	Specific Gravity	1.1
2.6.3	Compressive Strength	57 MPa
2.6.4	Compressive Modulus	2 GPa.
2.6.5	Tensile Strength	45 MPa.
2.6.6	Thermal Expansion	$5 \times 10^{-5}$ mm/mm/°C.

### 3.0 USES

EPAR GP is suitable for use as a gap filling adhesive or filler for wood, concrete, steel, ceramics etc.

Fields of use include:

- Manufacture of timber joinery and furniture.
- Boat building.
- Repair and manufacture of formwork for concrete.
- Bonding and stopping of fibrous cement sheet.

### 4.0 APPLICATION INSTRUCTIONS

- 4.1 SURFACE PREPARATION. Thoroughly clean the jointing surfaces of all extraneous matter, especially oil and grease. Laitance should be removed from concrete surfaces mechanically or by acid etching. For best results steel surfaces should be prepared by sand blasting or grinding.

# EPAR GP

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## TECHNICAL DATA Continued

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### 4.0 APPLICATION INSTRUCTIONS (continued)

- 4.2 MIXING. Accurately proportion required volume of resin and hardener ensuring this amount can be used within its pot life. Large volumes of mixed EPAR GP will generate considerable heat and result in reduced pot life. If proportioning by eye, measure out 3 individual parts, two of resin and one of hardener. Estimating 2 parts, one twice the size of the other is very inaccurate.
- Mix resin and hardener thoroughly using a spatula; larger volumes can be mixed using a mixing paddle on a low speed electric drill.
- 4.3 APPLICATION. When being used as an adhesive apply an even layer of EPAR GP to jointing surfaces preferably by notched trowel. The joint must be held in position until sufficient strength has been obtained. Initial set is between 2 and 6 hours depending on temperature.
- When being used as a filler EPAR GP can be slightly overfilled and sanded back to obtain a smooth finish.
- 4.4 CLEAN UP. Tools and equipment may be cleaned before hardening commences by washing with EPAR Clean Up Solvent. Wash hands and skin with soap and hot water.

### 5.0 PRECAUTIONS

EPAR GP is not suitable for applications where the epoxy is directly exposed to weathering. Epoxy at the surface of a joint subjected to weathering will discolour/chalk over time but this will not affect the performance of the epoxy within the joint.

For maximum performance, allow a full 5 days curing before subjecting joints to stress.

EPAR GP hardener is corrosive to skin and eyes. Wear protective gloves and eye protection (if eye contact likely) when mixing and applying EPAR GP. Refer to product label and product safety data sheet for first aid and handling information.

### 6.0 PACKAGING

750ml, 1.5 litre, 3 litre and 6 litre packs.



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