

EPOXY GROUT EPAR S

TECHNICAL DATA

1.0 DESCRIPTION

EPAR S is a low viscosity, lightly filled, high strength epoxy grout. EPAR S has very good mechanical properties and chemical resistance.

EPAR S is "non shrink" and has excellent adhesion to concrete, steel, stone, timber and many other materials.

Also available with cold cure hardener for use from 0°C – 10°C.

2.0 PHYSICAL PROPERTIES:

2.1	Viscosity	low; pourable; self levelling.
2.2	Mix Ratio	1 : 7 by volume (pre-packed).
2.3	Pot Life	30 minutes at 20°C. Standard Hardener.
2.4	Minimum Application Temp.	10°C. Standard Hardener.
2.5	Shelf Life	1 year in original unopened containers.
2.6	Cured Properties	(Std. Hardener at 20°C)
2.6.1	Colour	Grey
2.6.2	Specific Gravity	1.7
2.6.3	Compressive Strength	29 MPa 1 day, 67 MPa 7 days.
2.6.4	Compressive Modulus	7 GPa.
2.6.5	Tensile Strength	24 MPa.
2.6.6	Thermal Expansion	6×10^{-5} mm/mm/°C.

3.0 USES

- 3.1 Grouting holding down bolts or starter bars into concrete.
- 3.2 Grouting under machinery, bearing plates, crane rails etc.
- 3.3 High strength nosings for bridges and industrial floors.
- 3.4 Filling spalls, cracks and chips in concrete floors.

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.



Fraser Brown & Stratmore Ltd

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EPAR S

TECHNICAL DATA Continued

- 4.2 **MIXING.** EPAR S is supplied in packs containing the correct proportion of resin and hardener. To eliminate on site proportioning errors it is advisable that complete packs are mixed, ensuring all contents of both resin and hardener containers are incorporated. If part packs are to be mixed it is necessary to devise a suitable system to ensure the correct volume of each component is used. Estimating quantity by eye is not sufficient. Suitable systems include pouring components into a calibrated container or measuring out the required number of volumes of resin and hardener using a standard size container. Mix thoroughly preferably using a paddle stirrer fitted to a low speed electric drill. During the mixing process scrape the bottom and sides of the container at least once with a spatula or similar tool to ensure all components are incorporated. Mixing should continue for approximately 5 minutes. Take care to avoid air entrapment.
- It should be noted that when large quantities are mixed, heat is generated which will reduce the material's pot life.
- 4.3 **CLEAN-UP.** Tools and equipment may be cleaned before hardening commences by washing with EPAR CLEAN UP SOLVENT. Clean hands and skin with soap and hot water.

5.0 PACKAGING

900 ml packs.
3.5 lt packs
18 lt packs



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