

EPOXY MORTAR PUTTY

EPAR EX

TECHNICAL DATA

1.0 DESCRIPTION

A two part, non slump epoxy mortar specially formulated to allow hand mixing. Adheres strongly to dry or damp concrete, steel, glass, aluminium, etc. EPAREX is non shrink and has excellent chemical resistance.

Also available with a cold cure hardener for use from 0°C to 10°C and a 5 minute hardener which has a 5 minute pot life and 10 minute initial set time.

2.0 PHYSICAL PROPERTIES:

2.1 Viscosity	Non Slump.
2.2 Mix Ratio	1:1 by weight or volume.
2.3 Pot Life	1 - 1.5 hours at 20°C. Std hardener.
2.4 Minimum Application Temp.	10°C. Std hardener.
2.5 Shelf Life	1 year in original unopened containers.
2.6 Cured Properties	(Standard hardener at 20°C)
2.6.1 Colour	Grey.
2.6.2 Specific Gravity	1.8
2.6.3 Compressive Strength	46MPa 1 day, 71MPa 7 days.
2.6.4 Compressive Modulus	13GPa.
2.6.5 Tensile Strength	23MPa.
2.6.6 Thermal Expansion	5 x 10 ⁻⁶ mm/mm/°C.

3.0 USES

Uses include:

- 3.1 Assembly and repair of precast concrete units.
- 3.2 Repair of spalling concrete and protection of steel reinforcements.
- 3.3 Levelling of concrete floors exposed to heavy load or impact.
- 3.4 Grouting of horizontal or overhead starter bars or bolts.
- 3.5 Fabrication of concrete pipe intersections, etc.

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.

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TECHNICAL DATA Continued

4.2 MIXING. Accurately proportion required volume of resin and hardener ensuring this amount can be used within its pot life. Mix the two parts thoroughly by machine, spatula or hand until a uniform grey colour is obtained. For prolonged hand mixing, the use of rubber gloves or a barrier cream is recommended. Thoroughly wet hands in water to prevent sticking of EPAREX. Shake off excess. Avoid mixing water with EPAREX as this may interfere with the final set. In cold weather the resin and hardener may be softened by placing the containers in hot water.

4.3 APPLICATION. EPAREX should be worked well into the surface to be filled or bonded. Initially a thin smear should be applied to ensure the surface is properly "wet" with epoxy. After applying this initial layer more EPAREX may be applied to the desired thickness. Both surfaces should be coated with EPAREX before being joined.

4.3.1 Alternatively surfaces should be primed with EPAR122 before EPAREX is applied. Brush EPAR122 well into the surface and apply EPAREX while EPAR122 remains tacky.

4.3.2 A smooth surface may be obtained on EPAREX by wiping with a wet cloth, trowel or fingers before initial cure.

4.4 CLEAN UP. Hands and equipment should be washed in soap and water before curing is advanced.

5.0 PACKAGING

900gm pack(2x 450gm) → approx. volume 0.5 litre

1.8kg pack(2x 900gm) → approx. volume 1litre

3.6kg pack(2x 1.8kg) → approx. volume 2litres

16kg pack(2x 8kg) → approx. volume 9litres

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