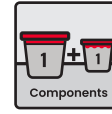


# SAMCRETE® EP3

## EPOXY-BASED INJECTION GROUT



### DESCRIPTION:

- SAMCRETE® EP3 is a solvent-free, free-flow, non-shrink, low-viscosity Epoxy-based Injection Grout available in two packs (base and hardener).

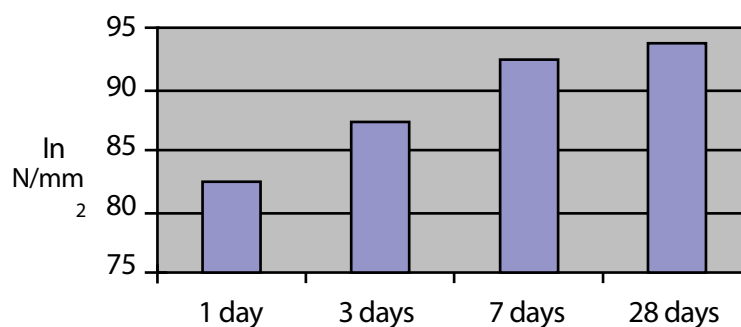
### ADVANTAGES:

- High flexural strength and adhesion substrate ensures excellent performance under dynamic operating conditions.
- Recommended for rapid installation and strength gain.
- Minimum creep enables early commissioning of plant.
- Useful where mechanical properties resistant to a wide range of chemicals, acids and alkalis are required.
- Resistant to water and frost.

### MECHANICAL PROPERTIES:

- Mixing time 5 min.

### COMPRESSIVE STRENGTH



### BOND STRESS:

- after 7 days: 14 N/mm<sup>2</sup>
- after 24 hours: 13 N/mm<sup>2</sup>

### RECOMMENDED APPLICATIONS:

- Support beneath crane and transporter rails
- High speed turbines and centrifuges, drop forges etc
- Reciprocating machinery and other operating or test equipment subject to heavy dynamic or mobile loads
- Injection grouting

## METHOD OF USE:

### Surface preparation

- Clean the substrate surface of oil, grease, laitence, adherent material etc.
- Wash all substrate with clean water and get it dried.
- For under plate grouting the gap between the perimeter form work and the plate edge should not exceed 15 mm on the pouring side and 50 mm on the opposite side.

### Mix preparation

- Pour entire contents of hardener into base container.
- Mix until it becomes homogenous.
- Place the mix into force action mixer.

### For injection grouting

- Make 'V' shape groove by a mechanical saw. Insert 12 mm diameter injection nipples at 100mm c/c and 30 mm to 40 mm deep, or otherwise recommended by engineer incharge, along the crack line and plug it with SAMSEAL EP.
- Inject by means of suitable gun or pump at a pressure of 6 to 7 kg/sq m. and increase pressure gradually.
- Plug the nipples as soon as injection of grouting is completed.

## PRODUCT DATA:

<b>Form</b>	Liquid
<b>Base</b>	Epoxy-resin
<b>Bulk density</b>	1050 kg/m <sup>3</sup>
<b>Colour</b>	Pale colourless liquid
<b>Smell</b>	Mild
<b>Pot life</b>	30 to 60 minutes
<b>Curing</b>	3 days (minimum)
<b>Caution</b>	For steel base plates, coat of SAMZINC EP should be applied as a primer to prevent rust formation and ensuring bonding with SAMCRETE® EP3.
<b>Shelf life</b>	12 months at 20°C
<b>Safety</b>	Wear goggles and gloves
<b>Range</b>	Gap width and static joints 0.25 to 10 mm. Injection grouting
<b>Packing</b>	1-kg, 5-kg composite packs

**CONSULT OUR PRODUCT APPLICATION DEPARTMENT (PAD) IN CASE OF ANY DIFFICULTY OR FOR TECHNICAL ASSISTANCE**

SAMROCK products are guaranteed for the performance of material and manufacture.  
The details given here are based on our laboratory and field observations and as such as construed to be reliable. But we shall not accept responsibility for any work carried out with our material as we do not have control over other ingredients, workmanship and field conditions. This data sheet is subject to change in view of constant research and development being undertaken in our laboratories. Customers are advised to contact SAMROCK for the latest version.

## **SAMROCK CHEMICALS (i) LTD.**

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