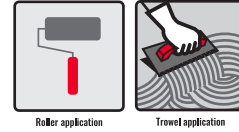


# SAMCRETE® EP

## EPOXY PRIMER



### DESCRIPTION:

- SAMCRETE® EP is a solvent-free epoxy resin-based product available in three components as SAMCRETE® EP Part I, Part II & Part III, and is designed for free-flow non-shrink grouting of gap from 25mm to 70mm.

### ADVANTAGES:

- Gives high flexural strength and adhesion with substrate and ensures excellent performance under dynamic operating conditions.
- Provides 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:

- Grain size: 0.5 mm
- Mixing time: 5 minutes

### COMPRESSIVE STRENGTH:

### BOND STRESS:

- After 12 hours : 13 mm
- After 7 days : 14 N/mm

### RECOMMENDED APPLICATIONS:

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

## PRODUCT DATA:

<b>Form</b>	Part I: Liquid (base) Part II: Liquid (hardener) Part III: Powder (filler)
<b>Base</b>	Epoxy-resin
<b>Bulk density</b>	2100 kg/m <sup>3</sup>
<b>Chloride content</b>	Nil
<b>Color</b>	Dark brown
<b>Smell</b>	Mild
<b>Coverage / Consumption</b>	Gives 8 liters (when entire pack of 16-kg is mixed)
<b>Pot life</b>	25 to 40 minutes
<b>Curing</b>	3 days minimum
<b>Caution</b>	In case of steel base-plates, a coat of SAMZINC EP should be applied as a primer to prevent rust formation and to ensure bonding with SAMCRETE® EP.
<b>Shelf life</b>	12 months at 20 C
<b>Safety</b>	Wear goggles and gloves.
<b>Range</b>	Gap of 25mm to 70mm
<b>Packing</b>	16-kg

## SURFACE PREPARATION:

- Clean the substrate surface of oil, grease, loose particles, adherent material etc.
- Wash all substrate with clean water and let it dry.
- For under plate grouting, the gap between the perimeter form work and the plate edge should not exceed 150 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.
- Pour the mix into a force-action mixer.
- Add the filler and mix for 2-3 minutes until a uniform color is achieved.

### 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.

ISO No : 9001 | CIN No. : U24231GJ1991PLC015607

302, Chanakya Building, Near Dinesh Hall, Ashram Road, Ahmedabad, Gujarat - 380009

Call : +91 9825011576 | Email : info@samrockchem.com