



## PRODUCT DESCRIPTION

**STAR GROUT EZEE REPAIR** is a ready to use single component polymer modified fibre reinforced repair mortar. It is specially designed for repairs of RCC members like beams, columns and slabs because of its good compressive strength and shrinkage resistance. It is pre-blended with special additives which provides it excellent workability and adhesion to host concrete/masonry surfaces.

## BENEFITS

- **Easy to use:** Single component ready to use powder which only requires addition of water at site
- **Shrinkage compensation:** Dual shrinkage compensated and hence crack resistant
- **Bonding:** Excellent bond strength to concrete and other masonry substrates
- **Strength:** Develops high initial and ultimate compressive strength
- **Thickness:** Suitable for repair of thickness up to 50 mm (maximum thickness in a single coat: 25 mm)

## USES

- Repair of damaged beams, columns and other RCC members
- Patch repair of PCC and other non-reinforced masonry surfaces

## TECHNICAL DATA SHEET

|  |                                 |
|--|---------------------------------|
| <b>Appearance</b>                              | Free flowing grainy grey powder |
| <b>Water to Powder Ratio</b>                   | 0.16± 0.01                      |
| <b>Pot Life</b>                                | 60 minutes                      |
| <b>Flexural Strength @ 30°C<br/>ASTM C 580</b> | 8 MPa                           |
| <b>Tensile Strength @ 30°C<br/>ASTM C 307</b>  | 2.5MPa                          |
| <b>Fresh Wet Density</b>                       | 2111 kg/m <sup>3</sup>          |
| <b>Application Temperature</b>                 | +5°C to +40°C                   |

## METHOD OF APPLICATION

### SURFACE PREPARATION

Surface should be completely free of laitance, oil, dust, grease, plaster, paint, corrosion etc. Smooth surface should be mechanically roughened by scrubbing or needle gun to form a good key. Edges of the areas for repair must be saw cut to 12 mm to avoid feather edging. The substrate should be thoroughly soaked with clean water and any excess should be removed. Apply bonding agent if required.

### MIXING & APPLICATION

- **STAR GROUT EZEE REPAIR** must be mixed with a slow speed drill (500 rpm) fitted with a spiral paddle.
- Mix 25 kg of powder in 4 litres of clean & potable water (16+/-1% of the weight of powder, i.e., 3.75 to 4.25 litres).
- Always put powder in to water.
- Mix for at least 3 minutes for lump free consistency and apply using a steel trowel.

## PRECAUTIONS & LIMITATIONS

- Minimum thickness to be maintained 10 mm.
- For higher thickness more than 25 mm, bond coat is recommended before applying second coat.
- Strictly maintain water powder ratio.
- Temperature of the mix should be maintained at approx. 30°C. During summer use cold water and in winters use warm water to regulate the temperature of the mix.
- Mechanical stirrer to be used for mixing, avoid hand mixing.

## HEALTH & SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

**INHALATION:** Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if

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# STAR<sup>TM</sup> GROUT EZEE REPAIR



## Product Data Sheet

breathing is labored. Get emergency medical help.

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

**SKIN CONTACT:** Flush with water or soap and water till all traces have been removed. Seek medical attention if required.

### STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

### PACKING

STAR<sup>TM</sup>GROUT EZEE REPAIR is available in 25 kg.

### DISCLAIMER

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our product.

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