

Oscrete PGR is a polyester compound which is a pre-weighed, two part, resin repair and grouting mortar. The mixed product produces a high early strength mortar for rapid and efficient repairs to precast and insitu concrete.

ASLOW SET version is also available on request.

Uses

- For the rapid repair, jointing and bedding of concrete and masonry.
- Repair of insitu and pre-cast concrete.
- Filling holes and pockets.
- Fixing of steps and rungs into manholes.
- Protection of steel reinforcement.
- Bedding and fixing kerbs, tiles, manhole sets.
- Fixing of brick slips, door and window frames.

Typical Properties

Minimum Application Temperature 5°C

Compressive Strength
(ASTM D-695) >90 N/mm²

Flexural Strength
(ASTM D-790) 25 N/mm²

Tensile Strength
(ASTM D 638) 15 N/mm²

| Gel Times | (Minutes) |
|-----------|-----------|
| 5°C | 120 |
| 10°C | 45 |
| 20°C | 20 |
| 30°C | 10 |

| Cure Time Before Loading | (Hours) |
|-----------------------------|---------|
| 5°C | 9 |
| 10°C | 7 |
| 20°C | 3 |
| 30°C | 1 |

Chemical resistance: The cured Oscrete PGR is resistant to fresh, ground and sea waters, petrol, oil,



grease and most acids, alkalis and solvents.

Instructions for use

Preparation

Repair of precast and insitu concrete units: All loose and flaky cementitious residues as well as all contamination such as mould oils and grease should be removed for the application of the repair mortar. Use of wire brushing or light grit blasting to ensure full cleansing of the repair area is recommended. Wherever possible delineate the perimeter of the area to be repaired with a chase to provide a straight edge for the mortar to be placed against and to avoid feather edging.

Mixing

Complete packs of resin and catalysed filler should be used. Mix either manually or mechanically, to give a smooth consistency. Place within the gel time of the grout.

Precautions

Temperature Limitation: Oscrete PGR polyester resin may be used at substrate temperatures of 5°C and above.

Creep of the resin may become significant at operating temperatures above 40°C.

Refer to the Material Safety Data Sheet for the product.

Storage

Oscrete PGR should be stored at a temperature above freezing.

Oscrete PGR has a shelf life of at least 12 months when stored in its original unopened containers in the above conditions.

Labour and Environmental Protection

All local and national regulations on the transport, storage, use and waste treatment of

chemicals in concentrated or diluted form and as working solutions must be obeyed.

Further specific information on the products can be found in the Material Safety Data Sheets supplied. The user should also pay strict attention to information and hazard symbols shown on product labels.

Cleaning

Tools and equipment can be cleaned with solvent cleaner.

Waste disposal

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer. Refer to the Material Safety Data Sheets supplied.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

OSCRETE is a division of Christeyns UK Ltd.
Rutland Street
Bradford
West Yorkshire
BD4 7EA
United Kingdom

Telephone: +44 (0)1274 393286

Fax: +44 (0)1274 309143

e-mail: info@oscrete.co.uk

Website: www.oscrete.co.uk