

RENOCEM PGR

Repair Mortar

Description

Renocem PGR is a polyester compound which comes in 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.

Applications

Renocem PGR is used for the rapid repair, jointing and bedding of concrete and masonry, the repair of insitu and precast concrete, filling holes and pockets, fixing steps and rungs into manholes and for the protection of steel reinforcement.

Benefits

- Accelerated strength
- Improved setting times
- Non-chloride
- Non-corrosive
- Multi use
- Cold weather working

Properties

Minimum Application Temperature 5°C

Compressive Strength

(ASTM D-66) >90.0 N/mm²

Flexural Strength

(ASTM D-790) 25.0 N/mm²

Tensile Strength

(ASTM D-638) 15.0 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

Standards

Renocem PGR is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Compatibility

Renocem PGR is compatible with all types of EN 197 cement systems.

Storage

Renocem PGR should be stored undercover and protected from extreme temperatures, if stored unopened within the range 5°C and 30°C the product will have a minimum shelf life of 12 months.

Chemical Resistance

Renocem PGR when cured correctly is resistant to fresh, ground and sea waters, oil, petrol, grease and most acids, alkalis and solvents.

Environmental

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.

Packaging

25 kg buckets.

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.

Notes

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 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 get time of the grout.

Precautions: **Renocem 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.

Cleaning: Tools and equipment can be cleaned with a 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 Sheet for full details.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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