



Redrock PGR

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.

A SLOW 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	(Hours)
Before Loading	
5°C	9
10°C	7
20°C	3
30°C	1

Chemical resistance: The cured **Redrock 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. Where ever 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: **Redrock 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

Redrock PGR should be stored at a temperature above freezing.

Redrock 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.

Datasheet: Redrock PGR/ Feb 2005

The above details have been compiled to the best of our knowledge on the basis of thorough tests and our practical experience of the product performance. However, due to the fact that Redrock has no direct control over where or how its products are used, Redrock offers no guarantees nor accepts any liabilities deriving from or in connection its products nor with information given in this leaflet. Redrock products are sold subject to its standard terms and conditions, copies of which may be obtained on request or viewed on the website.

Red Rock 2004 Ltd.
P.O.Box 12091 Birmingham, B13 9WS
Telephone: 0870 910 7799
Fax 0121 246 4441
www.redrock-uk.co.uk