

Description

rbs Epoxy Pourable Grout is a three pack high flow epoxy grout, with excellent low temperature curing characteristics. High compressive and tensile strength gains make it capable of withstanding high dynamic loads. Also provides excellent chemical resistance, good flow characteristics and negligible shrinkage.

rbs Epoxy Pourable Grout is suitable for gap widths of 10-100mm.

UKCA / UKNI marked. Conforms to: EN1504-3 Structural and non-structural repair methods 3 and 4 and EN1504-6 Anchoring of reinforcing rebar.

Advantages

- High strength.
- Very good flow properties.
- Excellent mechanical properties.
- Very good chemical & weather resistance.
- Minimum creep.
- No primer required, excellent adhesion.
- Pre-weighed components for ease of use.

Typical Uses

- Machine base plates with dynamic loadings.
- Grouting Crane and transporter rails.
- Grouting high speed turbines.
- Starter bars, dowels, setting- in bolts.
- Bedding Bearings, Manhole frames etc.

Directions for Use

Surface preparation – The substrate should be sound, dry and free from all contaminants, such as dust, oil and grease. All joints in framework etc. must be water tight to avoid grout loss.

Priming – rbs Epoxy Pourable Grout is a resin rich system which is self priming.

Mixing – The contents of the hardener bottle and the tin of resin should be poured into a clean vessel and mixed thoroughly. Care should be taken to avoid hardener losses when mixing and the use of a mechanical mixer such as a slow speed, highpowered drill and EPI MR4 mixer paddle is recommended. Mixing of the resin & hardener should be carried out for a minimum of 2 minutes. The filler component should then be added slowly and the mixing continued for a further 1-2 minutes or until homogeneous. Once mixed the rbs Epoxy Pourable Grout should be placed immediately.

Application – rbs Epoxy Pourable Grout is formulated for placement in gap sizes of 10-100mm. This is typically achieved by forming a shutter and “letter-box” arrangement. The mixed grout is usually poured into place in a continuous and steady manner, until the bed is completely filled. To achieve an even flow, maintain a head of at least 150mm. When pumping, place the end of the hose in the centre of the plate so the grout radiates from the centre. When the grout has reached the far side, start to withdraw the hose very slowly with the pump running to avoid forming air pockets. N.B. In common with other epoxy resin systems rbs Epoxy Pourable Grout should not be applied at temperatures below 5°C.

Cleaning – All tools should be cleaned using a proprietary solvent-based cleaner before the material hardeners. If the mortar is allowed to set it can only be removed by mechanical means.

Packaging

rbs Epoxy Pourable Grout is supplied in 26kg packs, yielding approximately 12.5 litres of material.

Storage

rbs Epoxy Pourable Grout should be stored under dry, frost-free conditions away from direct sunlight, under such conditions the shelf life is at least twelve months, if unopened.

Health & Safety

Wear gloves and goggles. Wash off splashes immediately with soap and water. Please refer to Material Safety Data Sheet for additional information.

rbs Epoxy Pourable Grout shall be applied strictly in accordance with the manufacturer’s instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

Technical Data

Specific Gravity	2.08
Pot Life @ 20°C	30-40 minutes
Touch Dry 20°C	4 hours
Hard Dry 20°C	6 hours
Shore D Hardness	75
Compressive Strength @ 20°C	10 hours: 40 MPa 12 hours: 60 MPa 24 hours: 90 MPa 7 days: 100 MPa
Tensile Strength	15 MPa
Flexural Strength	36 MPa
Adhesion to Concrete	4 MPa (concrete failure)
Adhesion Strength By Pull-Off Test	≥2.0MPa
Chloride Ion Content	≤0.05%
Determination of Shrinkage and Expansion	Shrinkage 2.9MPa Expansion 2.8MPa
Elastic Modulus	≥20GPa
Testing of Anchoring Products By The Pull-Out Method	≤0.6mm
Creep Under Tensile Load	≤0.6mm
Glass Transition Temperature	>45°C
Fire Classification	Class C
Dangerous Substances	Complies with 5.3 (EN1504-6) 5.4 (EN2404-3)

Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy themselves that each product is fit for the purpose for which they intend to use it. Ensure that the actual conditions of use are suitable, and that in the light of our continual research and development programme, the information relating to each product has not been superseded.

The information given on this sheet is, to the best of our knowledge, true and accurate. No guarantee of the results implied, or any loss or damage arising out of this material, however, are possible as the conditions of application are beyond our control. This is not withstanding any liability arising from the Consumer Protection Act 1987 and the Health & Safety at Work Act. Health and Safety data is available on this product and should be referred to prior to its use

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For more information on the Resapol Foundation, please visit our website at www.resapol.com.

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