

Multi-Purpose Patching and Repair Mortar

Product Description

Rayston Repair Grout can be used for the cosmetic or structural repair of deteriorated concrete and mortar. **Rayston Repair Grout** can be used on exterior or interior, horizontal or vertical surfaces.

Uses

Rayston Repair Grout is especially suitable for the following applications:

- Repair of concrete.
- Resurfacing defective or damaged areas.
- Concrete waterproofing and protection.

Advantages

- One component: just add water.
- Easy to mix, apply and finish.
- Good adhesion to sound clean substrates (for enhanced adhesion properties use with Rayston latex range).
- Shrinkage compensated.
- Compatible with the properties of typical concretes.
- Vapour permeable.
- Non-accelerated set to improve handling in hot temperatures.

PRODUCT DATA

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| Form | Powder |
| Colour of Mix | Grey |
| Packaging | 25 kg bag. Volume Yields 12 Litre /25 Kg Unit. |
| Storage Conditions | In dry conditions, protected from direct sunlight and from moisture |
| Shelf-life | 12 months from data of production if stored properly in original unopened packing |

TECHNICAL DATA

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| Density | 2.0 - 2.1 kg/l |
| Compressive Strength | 7-day 40 N/mm ² 28day 50-55 N/mm ² Results based on quality assurance laboratory: Ambient temperature 20-23 °C, Humidity 60-65 % - Prisms (4cmx4cmx16 cm). |
| Flexural Strength | 9.0 N/mm ² |
| Bond Strength to Concrete | 2.5 N/mm ² |

APPLICATIONS DETAILS

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| Mixing Ratio | 4.25 - 4.5 litres of water per 25 kg bag. |
| Surface preparations | Concrete or mortar surfaces must be clean, free from oil, grease and loosely adhering particles. Remove all loose materials mechanically, with a wire brush or sand blasting. |
| Mixing | For normal applications add 4.25 - 4.5 litres of water per 25 Kg bag of Rayston Repair Grout depending on the desired consistency. Mixing can be achieved either manually or mechanically. Mechanical mixing is recommended by Krypton for quantities greater than 1 bag. Mixing should continue for a max 5 minutes after all the contents of the bag is placed in the mix water. |
| Application | Pre-soak the repair surface with clean water and then allow surface to dry. Prime Surface with a slurry of Rayston Repair Grout using a stiff brush. The recommended slurry consists of 5.0 - 5.5 litres of water per 25 Kg of Rayston Repair Grout . While the slurry coat is still damp, apply Rayston Repair Grout to a maximum thickness of 30 mm and compact thoroughly by trowel. For enhanced bonding characteristics use Rayston latex range |
| Cleaning | Clean all tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically. |
| Pot Life (at 20° C) | 35 minutes |
| Important Recommendations | <ul style="list-style-type: none"> • Minimum working temperature is + 8° C. • Minimum layer thickness = 5 mm • Maximum layer thickness = 30mm |
| Curing | Use approved curing methods. For best results moist cure immediately after mortar reaches initial set (typically 1-2 hours depending on ambient temperatures), continue moist curing for minimum 48 hours. |

SAFETY INSTRUCTIONS

Safety Precautions

Protect skin and eyes from contact with mortar. Wear gloves and goggles. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay if required.

Ecology

Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Toxicity

Non-Toxic under relevant health and safety codes.

Transport

Non-hazardous.

Legal notes

The information, and in particular, the recommendations relating to the application and end-use of Krypton products, are given in good faith based on Krypton current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Krypton recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Krypton reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.