



## Renocem FC

One part repair compound for structural and cosmetic concrete repairs. Renocem FC is specially developed to be used in precast applications and is available in Standard and Fast Set grades

### Uses

- Repairs and reprofiling to precast concrete units and pipes.
- Fast setting and durable; ideal for use on kerbs, steps, landings and old shutter tie holes.
- High strength; suitable for repairs to both precast and insitu concrete where compressive and tensile strength matching is required.

### Advantages

- Polymer modified to allow high build
- Fast set allows working at lower temperatures
- Optimum bond strength to the host concrete
- Mid grey colour but white cement can be added for colour matching purposes
- Chloride free
- Sulphate resistant

### Description

Renocem FC is a single component cementitious repair compound blended with polymer additives. It requires only the addition of water to give an easy to use mortar for fast setting repairs that develop high early strength.

### Properties

|                             |                      |
|-----------------------------|----------------------|
| Nature                      | Powder               |
| Colour                      | Grey                 |
| Density @ 13% water         | ca. 2.1              |
| Appx yield; 25kg pack       | 12.75 lts            |
| Typ. Comp. Str. at 28d      | 40 N/mm <sup>2</sup> |
| Pot life for Standard Grade |                      |
| 5 deg C                     | 55mins               |
| 10 deg C                    | 40mins               |
| 20 deg C                    | 30mins               |

### Instructions for use

**Preparation:** Ensure that the substrate is free from oil, grease or other contaminants. The ideal preparation is to sawcut the perimeter of the area to be repaired to provide at least 10mm of a straight edge surface to avoid feather edging. Thorough saturation of the repair area with clean water is essential to ensure full adhesive bond of the mortar. Ensure that no free water remains before starting the mortar application.

**Priming:** Thoroughly soak the substrate with clean water in advance of the application. Apply a brushed slurry application of Renocem FC/water to the pre-soaked repair area at the mix ratio of 4:1 by volume.



**Mixing:** The product should be mixed in a clean vessel with clean tap water. Use a mechanical mixer with a slow speed drill and paddle. Place 3.0 litres of water into the container then add the powder to the water to produce the required consistency adding up to a further 0.35 litres of water if needed. Smaller mixes can be made by hand using above ratio (max 15% water by volume). Excess water addition may result in shrinkage and cracking.

**Placing:** Ensure that the material is placed during its pot life. Discard hardened materials. Do not re-temper. Use a trowel to place the material as per good concreting practice. If larger voids are to be repaired coarse sand or a fine aggregate may be added up 50/50 to the mortar to extend the Renocem FC. In such cases, setting time and final strength will be adversely affected. Wash all tools with water before the mortar hardens.

#### **Precautions**

Refer to the Material Safety Data Sheet for the product.

#### **Packaging**

Renocem FC is supplied in 25kg bags.

#### **Storage**

Renocem FC should be stored at a temperature of 5-25°C. Ensure the product is kept completely dry and protected from strong direct sunlight and frost.

Renocem FC has a shelf life of at least 12 months when stored in its original unopened containers

#### **Cleaning & Disposal**

Equipment can be cleaned with water. See MSDS for further details on disposal.

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*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.*

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