



constructive solutions

## CEMENTITIOUS FAIRING MORTAR

# RENDEROC® FC

### Polymer modified cementitious fairing mortar to cover surface imperfections, 0mm to 3mm thickness.

Renderoc FC is a cementitious fairing mortar designed for application in thin layers, up to 3mm, to produce a fair-faced appearance to concrete or masonry surfaces, in readiness for overcoating with a protective or decorative coating.

It can be used with Fosroc Renderoc mortars and is compatible with Fosroc Dekguard coatings. Under moderate ambient conditions, the product does not require an independent primer or curing membrane.

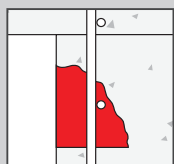
### ADVANTAGES

- Respirable crystalline silica (RCS) hazard free\*
- Covers surface imperfections - up to 3mm thickness
- Excellent bond to the concrete substrate
- Easy to use - no independent primer required
- Pre-blended to overcome site-batched variations - only the site addition of clean water is required
- Contains no chloride admixtures

\*Non-hazardous in accordance with Australian Inventory of Industrial Chemicals, contains <0.1% RCS.

### TYPICAL APPLICATIONS

Use for vertical and overhead concrete and masonry surfaces to infill blow holes, honeycombing and voids, up to 3mm deep.



Concrete Repair

For further information on our concrete repair range visit [www.fosroc.com.au](http://www.fosroc.com.au) or [fosroc.co.nz](http://fosroc.co.nz)  
Always refer to the product TDS before making your final selection or speak to your Fosroc representative.



Renderoc FC is respirable crystalline silica (RCS) hazard free\*. By using Renderoc FC you will not be exposed to RCS when mixing the powder with water.

Wearing a dust mask is still recommended due to the cementitious powder nature of the product and should only be used in well ventilated areas to avoid inhaling dust. Always follow the safety directions and wear the recommended PPE requirements as directed on the SDS.

# Renderoc<sup>®</sup> FC

## Design Criteria

Renderoc FC cementitious fairing coat is designed for vertical and overhead use to infill blow holes, honeycombing and voids up to 3mm deep in the surface of concrete.

Surface imperfections up to 3mm in depth can be filled with the scrape coat application.

Voids / blow holes 3mm to 30mm deep and no more than 25mm in diameter should be separately filled as a prior operation. The Renderoc FC should be mixed at the bottom end of the allowable standard water content as a starting point.

## Properties

The following results were obtained at a water:powder ratio of 0.3 by weight or 1:3 by volume at a temperature of 20°C.

Test method	Typical result
Coefficient of thermal expansion:	7 x 10 <sup>-6</sup>
Working life:	Approximately 20 minutes**
Setting time:	30 minutes - 1 hour** (BS 4550)
Fresh wet density:	Approximately 2000 kg/m <sup>3</sup>
VOC content:	5g / litre

\*\* Note: working life and setting time will vary dependent on ambient and substrate temperatures and prevailing conditions.

## Overcoating with protective decorative finishes

Renderoc FC may be overcoated with a protective barrier or decorative coating after a minimum of 48 hours.

Fosroc recommends the use of the Dekguard range of protective coatings. These coating products provide a decorative and uniform appearance, as well as protecting parts of the structure which have not been repaired and might otherwise be at risk from the environment.

## Curing

Renderoc FC does not require any form of curing in moderate ambient conditions, but under strong drying conditions curing may be necessary.

In this case, Renderoc FC should be cured immediately after finishing in accordance with good concrete practice. The use of Fosroc Nitobond AR, sprayed on to the surface of the finished Renderoc FC in a continuous film is recommended. Large areas should be cured as trowelling progresses (0.5 m<sup>2</sup> at a time) without waiting for completion of the entire area. In very fast drying conditions, supplementary curing with polythene sheeting taped down at the edges should be used.

## Coverage Guide

One 20kg bag of Renderoc FC will yield approximately 12.0 litres and cover 4.0m<sup>2</sup> at 3mm thickness.

## Supply

Product Code	Description	Size
FC302000-20KG	Renderoc FC	20KG

AU 1800 812 864  
fosroc.com.au

NZ 0800 657 156  
fosroc.co.nz

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**Distributed in New Zealand by Concrete Plus Ltd**  
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