



RonaBond FC for Prison Cells

Polymer modified, pre-packed fairing coat



FEATURES

- Pre-packed fairing coat for surface levelling
- 1-3mm application thickness
- Covers minor blemishes
- Smooth finish on walls and soffits
- Provides a 'harder than plaster' finish
- Trowel applied
- Improves carbonation resistance
- Set time of less than an hour

Description

RonaBond FC for Prison Cells is a pre-packed fairing coat mortar which is applied as a skim coat in thicknesses up to 3mm to provide a smooth, hard finish to damaged, blemished and repaired concrete surfaces. RonaBond FC for Prison Cells is used as a levelling mortar prior to the application of protective coatings and paints. It can also be used to give a "harder than plaster" finish to walls in, for example, prisons and detention centres. The material is supplied in preblended form which can be mixed by hand or machine in small lots.

Application is by trowel, after trowelling a dry sponge finish may be applied. It is recommended that for aesthetics reasons only RonaBond FC for Prison Cells is covered with a protective or decorative coating.

Test Data

Water Permeability

ml/m ² /sec	
0-10 minutes	0.04
10-30 minutes	0.008
30-60 minutes	0.004

Set Times

minutes	
Initial set	31
Final set	59

Oxygen Diffusion

cm ² /sec	
RonaBond FC for Prison Cells	2×10^{-4}
Dense concrete	1×10^{-3}

Note that all quoted data is based on laboratory tests conducted at 20°C. Cubes, tested at 28 days, are 100mm and air cured. Results shown are MAXIMUM laboratory strengths achieved by casting and curing cubes in ideal working conditions; site strengths will be lower.

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Yield and Coverage

Pack Size	25kg
Packs required per m³	77
Yield per pack	13 litres
Coverage per pack	6.5m² @ 2mm
Min / max application depth	1mm / 3mm

Instructions for Use

Preparation

Ensure that the surface of the concrete is clean and free from loose or friable materials. High pressure water jetting or shot blasting should be carried out to remove residues of old coatings or to key smooth surfaces. Concrete should be damp when RonaBond FC for Prison Cells is applied.

Mixing

Mix using a slow speed drill fitted with a suitable paddle attachment or a forced action mixer, never use a free fall mixer. Pour approximately two thirds of the gauging liquid into the mixing vessel and gradually add the powder component. Mix for 2 minutes and add sufficient of the remaining gauging liquid to achieve the desired consistency. Mix for a further 1 minute.

Application

Apply with a steel float to the damp concrete surface. The surface may be given a dry sponge finish.

Curing

Application in strong sunlight or windy conditions should be avoided but the use of a mist spray will prevent over-rapid drying if this is unavoidable.

Working Temperatures

RonaBond FC for Prison Cells can be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C and above. Note that at high ambient temperatures the working time of the mix will be reduced; it will be increased at lower temperatures. Ideally store materials between 10°C and 20°C before use.

Packaging

RonaBond FC for Prison Cells is supplied in 25kg packs.

Shelf Life and Storage

RonaBond FC for Prison Cells should be stored unopened between 5°C and 25°C in dry warehouse conditions and out of direct sunlight. In these conditions shelf life is approximately 6 months.

Health and Safety

Refer to product safety data sheet.

Site Attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.

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