

# Ronabond Security Coating (Formerly Ronabond FC)

## Prepacked mortars for hand applied fairing coat

<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>✓ prepacked fairing coat for surface levelling</li> <li>✓ prepacked fairing coat for surface levelling prior to coating</li> <li>✓ 1mm - 3mm application thickness</li> <li>✓ smooth finish on walls and soffits</li> <li>✓ improves carbonation protection</li> <li>✓ apply by trowel or brush</li> <li>✓ covers minor blemishes</li> </ul> <p><b>SPECIFICATION CLAUSES</b></p> <p><b>Fairing Coat / Levelling Coat</b>                  The fairing coat shall be Ronabond Security Coating by Ronacrete Ltd, telephone +44 (0) 1279 638 700. All materials to be applied in accordance with manufacturers instructions.</p> <p><b>SUMMARY APPLICATION PROCEDURE</b></p> <p><b>RONABOND SECURITY COATING</b></p> <ol style="list-style-type: none"> <li>1. prepare surfaces</li> <li>2. damp</li> <li>3. mix and apply Ronabond Security Coating</li> <li>4. apply protective anti-carbonation coating (refer to Ronabond Joltec or Ronabond Zolpacryl)</li> </ol>
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**Description**  
 Ronabond Security Coating is a prepacked 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 Security Coating 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 or brush. The surface should be sponge or tight trowelled for a smooth finish before dry. It is recommended that for aesthetics reasons only Ronabond Security Coating is covered with a protective and/or decorative coating such as Ronabond Joltec or Ronabond Zolpacryl.

**INSTRUCTIONS FOR USE**

1. Careful preparation of the substrate is required before application. The substrate must be clean and sound and free of dust, algae, laitence and deleterious material.
2. Surfaces should be repaired or made good to fill large blemishes greater than 3mm deep using Ronabond Concrete Repair Mortar or Ronabond mortar otherwise they will show through the finished Ronabond Security Coating.
3. Damp the surface with clean water and remove any excess.
4. Mix Ronabond Security Coating using a forced action mixer or drill and paddle.
5. Tight trowel or brush apply the mixed material to the damp surface ensuring total contact.
6. The surface can be textured using a damp sponge. This must be carried out before the material hardens.
7. For aesthetics only Ronabond Security Coating should be covered with a decorative or protective coating such as Ronabond Joltec or Ronabond Zolpacryl.
8. Overcoating can be carried out within 24 hours of applying Ronabond Security Coating provided the surface is sufficiently hard and dry.
9. Careful selection of the surface coating will provide additional protection and waterproofing and prolong the life of the underlying concrete. Refer to technical data for Ronabond Joltec and Ronabond Zolpacryl coatings.

**Working Temperatures**

Ronabond Security Coating 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.

**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 Security Coating 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 or brush to the damp concrete surface. The surface may then be floated or given a 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.

**Health and Safety**

Ronabond Security Coating is non-hazardous although protective clothing such as goggles, overalls and gloves is recommended to prevent any effect from prolonged skin contact, inhalation or ingestion.

In the event of skin contact, wash with soap and water. Seek medical advice if irritation or pain occurs. In the event of eye contact, irrigate with plenty of clean water and seek immediate medical advice. In the event of ingestion, do not induce vomiting. Seek immediate medical advice.

**Storage**

Ronabond Security Coating 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 9 months.

**Technical and Test Data**

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.

**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.

<b>Properties - Ronabond Security Coating</b>	
<b>WATER PERMEABILITY</b>	
ml/m <sup>2</sup> /sec	
0-10 minutes	0.04
10-30 minutes	0.008
30-60 minutes	0.004
<b>SET TIME</b>	
minutes	
Initial set	31
Final set	59
<b>OXYGEN DIFFUSION</b>	
cm <sup>2</sup> /sec	
Ronabond Security Coating	2 x 10 <sup>-4</sup>
Dense concrete	1 x 10 <sup>-3</sup>

## Ronabond Security Coating

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Yield and Coverage					
	pack size	packs required per m <sup>3</sup>	yield per pack m <sup>3</sup>	coverage per pack	Typical min/max application depth per layer
Ronabond Security	25kg	77	0.013	6.5m <sup>2</sup> @ 2mm	1mm/3mm

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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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