

## Ronafix Pre-packed Tanking Render

Pre-packed mortar for hand and spray applied tanking renders



### FEATURES

- waterproofing  $\geq 10$  bar
- frostproof
- high compressive strength
- high tensile strength
- high flexural strength
- pre-packed for increased client confidence
- application from 6mm per layer
- trafficable after  $\leq 24$  hours @ 20 degrees C

### Description

Ronafix Pre-packed Tanking Render is a hand or spray applied two component polymer cement render supplied complete with dry powder and a bottle of polymer gauging liquid. Ronafix Pre packed Tanking Render will provide a watertight tanking render. Each layer is bonded with Ronacrete Standard Primer.

### Physical Properties

#### Typical Compressive Strength

1 day	>25N/mm <sup>2</sup>
3 days	>35N/mm <sup>2</sup>
7 days	>45N/mm <sup>2</sup>
28 days	>55N/mm <sup>2</sup>

#### Typical Tensile Strength

7 days	>5N/mm <sup>2</sup>
28 days	>7N/mm <sup>2</sup>

#### Typical Flexural Strength

7 days	>13N/mm <sup>2</sup>
28 days	>16N/mm <sup>2</sup>

#### Coverage per pack

1m<sup>2</sup> @ 11mm thickness

### Independent Testing Water Penetration & Water Vapour Permeability

Specimens of Ronafix Pre-packed Tanking Render were tested by Vinci Technology Centre UK Limited for resistance to water penetration and water vapour permeability in accordance with BS EN 1015-19, with the following results.

Resistance to Water Penetration at Increasing Pressures Certificate of Test: 25802 Rev 1 - specimens were subjected to water pressure up to 10 bar without evidence of seepage.

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## Independent Testing Water Penetration & Water Vapour Permeability (continued)

Determination of Water Vapour permeability Certificate of Test: 25614Rev 2 - the mean water vapour permeability of specimens tested to BS EN 1015-19 was  $2.58 \times 10^{-12}$  kg.m.s.Pa

## Yield and Coverage

### Yield per pack

11 litres

### Pack required per m<sup>3</sup>

90 packs approximately

## Instructions for Use

### Preparation

The substrate on which the Ronafix Pre-packed Tanking Render is being placed must be structurally sound, stable and suitable for bonding of a strong render. Surfaces should ideally be prepared by water/grit blasting or similar means to expose the aggregate and provide a mechanical key. All grease, oil, dirt and deleterious material must be removed by vacuuming.

### Damping

The prepared surface must be thoroughly dampened with clean water. All surplus and standing water must be removed before the primer is applied.

### Priming

Mix Ronacrete Standard Primer with a slow speed drill and MR3 spiral paddle attachment and apply evenly to the damp surface ensuring full coverage, immediately before applying the mixed Ronafix Pre-packed Tanking Render. Only prime an area which can be covered by the render within the open time of the primer. **Note that the primer must not be allowed to dry. If it dries it must be thoroughly abraded and re-applied.**

### Mixing

Ronafix Pre-packed Tanking Render must be in a forced action mixer (such as Baron or CreteAngle pan mixer). The Putzmeister MP25 mixing pump is suitable for sprayed applications. Smaller mixes may be mixed with a slow speed 1kW drill  $\leq 500$  RPM fitted with an MR4 paddle. All of both components must be added to the mixer and when evenly dispersed, but no earlier than 3 minutes, a small amount of clean water may be added if necessary, to provide sufficient workability for compaction and surface finish.

### Working Temperatures

Ronafix Pre-packed Tanking Render can be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C approximately. Note that at high ambient temperatures the working time of the mix will be reduced; it will be increased at lower temperatures. Ideally materials should be stored at 10°C to 20°C before use.

### Placing

As soon as the material is mixed it must be applied to the wet/tacky primer, using a suitable float or suitable spray equipment, ensuring total contact with the substrate and ensuring the render does not slump or slide away from the surface. Compaction and finishing must be carried out with a steel float, a dry sponge finish may be applied if required.

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## Instructions for Use (continued)

A stepped cove should be applied first, to ensure that render and screed are laid to staggered joints. Joints in the render and screed should also be staggered. Two or more coats of render, minimum 6mm thickness per layer, are required for tanking applications. Apply each layer after the previous layer has firmed up, sufficiently to support its weight without slumping or pulling away. Keying and priming between layers is necessary to ensure total adhesion. The minimum screed thickness is also 6mm per layer, applied in 2 layers at an overall minimum thickness of 12mm.

### Curing

As soon as possible after finishing the surface cure with Ronacrete Curing Membrane. Alternatively use tight fitting polythene to prevent rapid moisture loss and surface cracking and crazing.

## Shelf Life and Storage

Ronafix Pre-packed Tanking Render 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 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.

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<p><b>BS EN 988-1</b></p> <p><b>Rendering and Plastering Mortar</b></p>
<p><b>Product: Ronafix Pre-packed Tanking Render</b>  <b>Reaction to Fire: A2-s1,d0</b>  <b>Capillary Water Absorption: W1 &lt; 0.40kg/m2 min0.5</b>  <b>Adhesive Strength: &gt; 2.0N/mm2</b>  <b>Dangerous Substances: Refer to Safety Data Sheet</b></p>

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.