

Ronacrete Ronafix

Technical Data Sheet

The use of Ronafix for weatherproof renders and waterproof/tanking renders



Certificate No. 86/1651

Weatherproof Renders

- Ronafix render
- Ronafix: cement primer coat
- Prepared and tested substrate

Waterproof/Tanking Renders

- Ronafix: cement primer coat on substrate
- 2 coats of Ronafix render with Ronafix: cement primer coat between; any joints are staggered
- Render coved to floor screed without breaks or joints; screed is same mix design as render
- Ronafix: cement primer coat on substrate
- Prepared and tested substrate

General Specification

1. Prepare and assess substrate
2. Damp with clean water; remove excess
3. Apply one coat of 1:1 Ronafix: cement primer
4. To the wet or tacky primer render apply Ronafix modified mortar to required thickness using multiple layers as required
5. Cure with Monocure

| MIX DESIGN | E | | A | |
|-------------------------------|--------------------------------|-----------|----------------------------------|-----------|
| ALL MIXES BASED ON DRY SAND | WATERPROOF AND TANKING RENDERS | | THIN BONDED WEATHERPROOF RENDERS | |
| min/max depth per layer | 6mm/12mm | | 6mm/12mm | |
| | by weight | by volume | by weight | by volume |
| cement | 50kg | 1 | 50kg | 1 |
| medium sharp sand** | 125kg | 2 | 125kg | 2 |
| Ronafix | 14 litres | 3:1* | 9 litres | 1:1* |
| water (approx) | 4 litres | | 9 litres | |
| yield (approx) m ³ | 0.1 | | 0.1 | |

* Ronafix: water gauging liquid added to cement, sand to achieve workability.

** These mix designs are based on the use of dry, not site dry, sand. The amount of water in the sand or aggregate must be taken into account when calculating the quantity of water to use.

RONAFIX:CEMENT PRIMER MIX DESIGN

| | by weight | by volume |
|----------|--|-----------|
| Ronafix | 1 litre | 1 |
| cement | 1 kg | 1 |
| coverage | 3-4m ² per litre of Ronafix | |

Continued on following page.....



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Preparation

The substrate on which the Ronafix render is being placed must be structurally sound and stable and suitable to receive and support a strong render. Surfaces should ideally be prepared by recyclical shot blasting, 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

Brush apply a primer of 1:1 Ronafix:cement to the damp surface immediately before applying the Ronafix modified mortar. Mix the primer thoroughly and apply evenly over the surface ensuring total and uniform coverage. Only prime an area which can be covered by the render within the working time of the primer.

Note that the primer must not be allowed to dry. If it dries it must be thoroughly cross hatch scratched and reapplied.

Mixing

Mix the Ronafix modified mortar and apply in layers to achieve the required thickness, reform the original profile of the concrete and cover reinforcing steel. Layer thickness will vary according to the nature of the substrate, the shape and size of area being repaired and mixing and application technique.

Ronafix modified mortars can be mixed by hand or machine. Machine mixing will more easily provide a mortar with even dispersion of mix components and a lower water/cement ratio. The use of a forced action mixer (eg. Creteangle or drill and paddle) will provide optimum performance; free fall mixers cause the mortar to ball up with a resultant reduction in performance and must not be used.

Placing

As soon as the material is mixed render it onto the wet/tacky primer, using conventional plastering techniques ensuring total contact with the substrate and ensuring the render does not slump or slide away from the surface.

If applying two or more coats of Ronafix render 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 through the render.

When applying waterproof renders using mix design E it is necessary to apply not less than two coats, each not less than 6mm thick. Joints must be staggered and the render should be carried down on to the floor to form a coving. The joint between a waterproof render and a waterproof screed must also be staggered.

Curing

As soon as possible after finishing the surface cure the surface with

Monocure 50. Alternatively use tight fitting polythene to prevent rapid moisture loss and surface cracking and crazing.

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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