



# RENDACOAT FC

## Cementitious Ready Mix Fair Coat

### Composition and Application Field

**RENDACOAT FC** is a single component modified polymer cementitious powder. It is composed of OPC, micro silica and specific additives. It is supplied in powder forms ready to mix with clean water at site to produce thixotropic cementitious putty used as fair face coat for filling pin holes, cracks and repairing irregularities of concrete.

### Uses

**RENDACOAT FC** is an ideal material for repairing and patching new construction projects and maintenance, repairing and renovating old construction. It is used for interior and exterior walls and ceilings.

Typical applications include the following:

- Cracks of concrete surface up to 4mm width.
- Pinholes. Precast concrete panels. Concrete floor repairing.
- Reinforced concrete columns.
- Workshops, garages and service facilities.

### Advantages

- Smooth finish. Easy-on application. Cost effective.
- Early compressive strength. Compatible with all cementitious substrates. Impermeable when immersed in water.
- Primeless. Non shrinkage mortar.
- Excellent adhesion to most commonly encountered building substrate and materials.
- Suitable for vertical and horizontal applications in interior and exterior locations.
- Available in arrange of attractive colors. Low VOC.

### Surface Preparation

The surface should be cleaned. In order to repair damaged area, cracks and honeycombs, laitance, dust and contaminants should be removed. The substrate also should be free from paint contaminations, oils, grease or any barrier between new mortar repair and main substrate.

**New Concrete:** Wet the surface by sweet water before applying **RENDACOAT FC**. This will support the binding with main substrate.

**Old Concrete:** The weak area should be removed by saw cutting. Dust and loose debris should be removed. Apply **BONDACOAT AR** as a primer coat. If reinforcing steel is exposed, refer to other specific product **RENDAGROUT HB** (High Build cementitious Concrete Repair).

Prior to application, **RENDACOAT FC** mortar should be stored under cover and protected from extreme temperatures which may cause inconsistent workability and cure times for the mixed material.

During application in cold conditions, the application should be halted if the ambient temperature is likely to fall below 10°C. Pot life of the mixed material will be affected

by ambient temperature.

### Mixing

Depending on the workability desired, add a 20 kg bag to 6 - 7 liters of clean water. The powder should be slowly added to the water and mix using machine mixer until the compound comes homogeneous and lump-free mortar is obtained.

Pot life of the mixture depends on the ambient temperature.

### Application Method

Apply **RENDACOAT FC** on the bed and repaired areas with a spatula, scraper or palette knife above the existing finished level.

Allow **RENDACOAT FC** to dry to touch for approximately 3 - 4 hours depending on the ambient temperature.

### Curing

It is recommended to wet the surface once or twice a day for three days after application. The curing period depends on the thickness and atmospheric conditions.

### Coverage

Dependence on the irregularity of substrate.

### Cleaning

Tools and equipment's should be cleaned immediately using **THINNERCOAT 10** organic solvent.

### Package

20 kg bag

### Technical Properties

Appearance	Fine grey powder
Mix Density	1900 ± 100 kg/m <sup>3</sup>
Pot life	2 hours at 20°C 1 hour at 30°C
Compressive Strength (ASTM C109)	3 days 4 N/mm <sup>2</sup> 7 days 14 N/mm <sup>2</sup> 28 days 20 N/mm <sup>2</sup>
Bonding Strength (ASTM C882)	>3.0 n/mm <sup>2</sup>
Minimum Service Temp.	10°C
Maximum Service Temp.	80°C
Water Absorption	1.7 % maximum

### Storage and Shelf Life

Product should be stored at 25oC in dry conditions.  
18 months in tightly closed container.

### Flammability

**RENDACOAT FC** is a nonflammable material.

### Health and Safety

The material should be applied in a good ventilated area. Avoid inhalation of the vapors. Use goggles and vinyl gloves. In case of eye contact, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately. The product complies with environmental and occupational health and safety standards ISO 14001 and OHSAS 18001.