

## **RENDACOAT FC**

### **Cementitious Ready Mix Fair Coat**

#### **DESCRIPTION**

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

#### **USE**

FC is an ideal material for repairing and patching on new construction projects and maintenance, repair and renovation of old construction. It is used for interior and exterior walls and ceilings.

Typical applications include the following:

- Cracks of concrete surface up to 4 mm 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.
- Primerless.
- Non shrinkage mortar.
- Excellent adhesion to most commonly encountered building substrates and materials.
- Suitable for vertical and horizontal applications in interior and exterior locations.
- Available in a range 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 any contaminations of paint, oils, grease or any barrier between new mortar repair and main substrate.

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#### *New Concrete:*

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

#### *Old Concrete:*

The weak area should be remove by saw cutting then remove all dust and loose debris then 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 extremes of temperatures which may cause inconsistent workability and cure times for the mixed material.

During application in cold conditions, correct conditioning can help, but 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 by using machine mixer until the compound comes homogeneous and lump-free mortar is obtained.

Pot life of mixture depends on ambient temperature.

### **APPLICATION**

Apply **RENDACOAT FC** on the bed and repair 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 ambient temperature.

### **CURING**

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

### **COVERAGE**

Dependence on the irregularity of substrate.

### **CLEANING**

Tools and equipment can be cleaned immediately by using **THINNERCOAT 10** organic solvent.

### **PACKAGE**

20 kg bag.

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#### TECHNICAL PROPERTIES

Test	Result
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. Maximum Service Temp.	10°C 80°C
Water Absorption	1.7 % maximum

#### **STORAGE**

Product should be stored at 25°C in dry conditions.

#### **FLAMMABILITY**

**RENDACOAT FC** is nonflammable material.

#### **SHELF LIFE**

12 months in tightly closed container.

#### **HEALTHY AND SAFETY**

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