

# PC Mortar FC



Single component cementitious fairing coat mortar

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## Product Overview

PC Mortar FC is a cementitious, ready to apply repair mortar which not only renders a uniform consistent surface but also exhibits excellent thermal compatibility with concrete and other cementitious mortars.

## Areas of applications

PC Mortar FC is designed for application to minor surface imperfections to concrete and masonry works.

1. All concrete, masonry and stonework substrates.
2. Filling of pinholes, prior to overcoating.
3. General reprofiling purposes on all types of concrete substrates.
4. As a fairing coat in association with other repair mortars.

## Properties

1. PC Mortar FC is applied in layer 3 mm thickness in a single application.
2. It is very economical as it eliminates the requirement of a primer.
3. It also eliminates the need for curing.

## Guidelines for Usage

**1. Surface preparation:** The substrate to be treated must be sound and even, open-pored, roughened and its surface should be made free from voids, large cracks or ridges. Any adhesion-reducing substances like bitumen, oil, grease,

remains of paint or laitance must be removed by suitable means. Water leaks must be stopped e.g. with PC Plug. Thoroughly moisten the substrate, it must be damp but not wet at the time of application. Any surface water on horizontal surfaces must be removed.

Any remaining plaster, render or other substances that could inhibit bonding must be removed back to the substrate. Gypsum, remains of wood or other foreign material must be removed by appropriate means. Loose pointing must be routed out and the substrate cleaned thoroughly.

**2. Mixing:** Care should be taken to ensure that PC Mortar FC is thoroughly mixed. Small quantities (up to 5 kg) can be mixed using a suitable mixing drum or bucket. Greater quantities should be mixed using a forced-action mixer. Mixing in a suitably sized drum using an approved spiral paddle attached to an approved slow speed (400/500 rpm) heavy-duty drill is an acceptable alternative.

Mix a 20 kg of PC Mortar FC with 4.2 - 5.2 ltr of water (depending upon the surrounding conditions) at a medium speed mixing paddle, until a uniform lump free thick paste consistency is obtained. At first, a measured quantity of water should be taken into a clean container. To it, measured quantities of PC Mortar FC should be added and mixed slowly.

**3. Application:** PC Mortar FC should be applied with trowel up to a thickness of 3 mm. It should be applied with the minimum of working and be allowed to partially set before finally trowelling to a smooth finish.

If a very smooth finish is required, then a small amount of water can be sprinkled over the surface and then can be trowelled.

Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

**4. Curing:** Curing is generally not required. But in case of unfavourable or harsh temperatures, Use PC Cure Wax or PC Cure WB depending on the client scope.

## Coverage area

A bag of PC Mortar FC could yield up to 3.8 m<sup>2</sup>/kg at 3.1 mm thickness.

**NOTE :** Coverage area may vary depending upon the substrate type and workmanship.

## Packages available

PC Mortar FC is available in 20 kg packs.

## Storage and Shelf life

PC Mortar FC should be stored away from direct sunlight. It has 12 months shelf life when stored in original, dry and unopened packs.

## Safety Measures

1. Proper safety precautions and tools must be taken into consideration, i.e. wearing safety gloves, safety goggles, safety apron and nose masks, etc.
2. PC Mortar FC should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed by mechanical means.
3. PC Mortar FC contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin.
4. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment.
5. The use of barrier creams can provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

For further related to application and safety precautions, please contact Mcrete technical representative.

## Technical data

Aspect	Grey powder
Bulk density	1.2 - 1.3 g/cc
Mixed Density	1.8 - 1.9 g/cc
Pot life	> 45 mins
Setting time	4 - 5 hrs

For further clarifications Please contact on below address

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