

# PC Patchmass



High performance fast setting patch repair mortar

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## Product Overview

PC Patchmass is a single component fast setting repair mortar for horizontal as well as vertical repair projects. It will be of particular interest to the maintenance personnel whose concern is to cover up the pot holes which cause hazards to pedestrian or wheeled traffic or repairing damaged concrete surfaces.

## Areas of applications

1. Highways, roads and pavements
2. Loading decks, parking lots and ramps
3. Bridges
4. Industrial buildings, warehouses and commercial floors
5. For all kinds of multi-storeyed residential buildings.

## Properties

1. PC Patchmass sets quickly and hence enables faster completion of projects.
2. It is economic and hence suitable for both interiors and exteriors.
3. It is resistant to thaw damages.
4. It bonds excellently to the concrete

## Guidelines for Usage

**1. Surface preparation:** Concrete surfaces must be structurally sound and free from dust, grease, oil and loose particles. Clean the profiles area properly.

**2. Priming:** Soak the area to be treated with water to achieve a SSD (saturated surface dry)

condition. Then apply a scratch coat of PC Patchmass over the SSD concrete.

**3. Mixing:** Take 2.2 - 2.8 ltr of water for every 20 kg bag of PC Patchmass. By using a mixing paddle mix the content properly for 3 mins. After a desired flow is obtained, take 100 ml of additional water and mix it to the contents to achieve more flow and mix the whole again with mixing paddle for 5 mins more. Do not delay in placing the mixed material, otherwise the available working life will be reduced. In general it is recommended that only 1 bag be mixed at any one time to ensure that PC Patchmass is placed within its working life.

**4. Application:** Apply PC Patchmass immediately after mixing to the prepared surface. Place the mixed material evenly over the primed surface and tamp in place with a wooden float to ensure full compaction. Strike off the surface to the correct level and finish with a steel trowel, to fully close the surface. Don't use PC Patchmass for repairs less than 6 mm deep. For deeper repairs, up to 150 mm, extend PC Patchmass with 10 kg of clean, SSD, 10mm size rounded pea gravel.

**5. Finishing:** Don't add water during finishing operation. Finish the repair matter to the desired texture. When steel trowel finishing, it is suggested to allow the repaired area to stand undisturbed until it has reached initial set, approximately 15 to 30 mins., and then finish with steel trowels.

**6. Curing and Sealing:** Cure the treated surface with water, PC Cure Wax or PC Cure WB for one entire day depending on the type of

further coatings/ toppings to be applied.

## Coverage area

The optimum yield obtained is 0.01 m<sup>3</sup> when a bag of PC Patchmass is mixed with 2.8 ltr of water. A unit of PC Patchmass will approximately cover an area of 0.4 m<sup>2</sup> when placed at an average depth of 25 mm.

## Packings available

PC Patchmass is available in 20 kg bags.

## Storage and Shelf life

PC Patchmass has 12 months shelf life when stored in original, dry, unopened packs and away from sunlight.

## Safety Measures

1. PC Patchmass shouldn't come in contact with eyes.
2. If an epoxy coating will be applied, follow surface preparation procedures as directed by the coating manufacturer.
3. Don't add water to the mixture during finishing operation.
4. The brushes and tools must be cleaned as soon as the application is over i.e. before the material hardens
5. Wear proper safety equipments like, safety goggles, gloves, suits prior to the handling.

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

## Technical data

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| Aspect   | Grey coarse granulated powder.                 |
| Density  | 1.30 g/cc                                      |
| <u>Setting time @ 25°C</u><br>Initial set<br>Final set                           | 15 - 30 mins<br>30 - 45 mins                   |
| <u>Compressive strength</u><br>3 hours<br>12 hours<br>1 day<br>7 days<br>28 days | 20 MPa<br>25 Mpa<br>32 Mpa<br>40 Mpa<br>50 Mpa |
| Foot Traffic<br>Vehicular Traffic  | 3 hours<br>12 hours                            |

For further clarifications Please contact on below address

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