

# PC Mortar EP



Epoxy based bedding and fairing repair mortar

## Product Overview

PC Mortar EP is a two component thixotropic, solvent free, compound based on epoxy resins, finely graded fillers and thixotropic agents. It is a fast curing material ideal for a variety of bedding, gap filling and other concrete repair applications. It is applied directly to concrete substrates, without primer, and gets cured to a surface ready for over coating.

After curing it exhibits tremendous mechanical properties typical to those of epoxy compounds; i.e. resistance to oil, grease, petroleum, salts, most of the concentrated corrosive materials

## Areas of applications

1. Filling pinholes, securing bolts into walls, dowel bars anchoring, etc.
2. General reprofiling over large areas upto 3mm depth
3. Sealing of surface cracks in preparation for crack injection
4. Fixing slip bricks into concrete
5. Bedding tiles
6. Repairing concrete posts in-site.

## Properties

1. PC Mortar EP reduces usage of subsequent coatings hence is very cost efficient
2. It is a high performance repair mortar. It shows excellent resistance to chemical agents and solvents, exhibits strong adhesion to concrete substrate and exceptional hardness.
3. Easy to apply and finish, manufactured to meet local conditions

## Guidelines for Usage

**1. Surface preparation :** Concrete surfaces should be clean, dry and free from laitance. Sandblasting or mechanical wire brushing may be necessary.

**2. Mixing :** Both the components [i.e. Part-A (Base) and Part-B (Hardener)] should be stirred thoroughly in order to disperse any settlement before mixing them together. Both the components of PC Mortar EP should be mixed at a ratio of 1 : 1. The entire contents of the 'hardener' should be emptied into the 'base' container and the components mixed together using a mixing paddle attached to a slow-speed (400/500 rpm) heavy duty drill, until a uniform grey colour and consistency is obtained. It is not advised to use part packs or do part mixing. Care should be taken to ensure that PC Mortar EP is thoroughly mixed to produce a fully homogeneous paste.

**3. Application :** Due to the easy workability of the product, a variety of instruments such as trowel, scraper, filling knife and squeegee can be used. After mixing, material can be taken directly from the can, or subdivided onto spot boards for individual application. PC Mortar EP can be overcoated with all epoxy coatings after a minimum curing period of 24 hours. Prior to overcoating, the surface of the fully cured PC Mortar EP should first be abraded to assist adhesion, and then cleaned to a dust-free finish.

## Coverage area

Coverage of PC Mortar EP is wholly dependant upon surface conditions, site trials are therefore

recommended to ascertain actual usage on uneven substrates. However, as a guideline, we can consider coverage as 0.35m<sup>2</sup>/litre at 3mm thickness and 1m<sup>2</sup>/litre at 1mm thickness.

## Packages available

PC Mortar EP is available in 7.4 kg (3.94 ltr.) packs i.e. Part A (3.7 kg) and Part B (3.7 kg). Other packings will be made depending upon order request

## Storage and Shelf life

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

## Safety Measures

PC Mortar EP must be stored in dry place. Proper safety precautions and tools must be taken into consideration, i.e. wearing safety gloves, safety goggles, safety apron and nose masks, etc. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers immediately after use. For further related to application and safety precautions, please contact MCrete technical representative.

## Technical data

Aspect	Grey Viscous paste
Solids	100%
Mixed Density	1.85 g/cc
Pot Life	3.5 hours at 25 °C 1.5 hours at 35 °C
Setting Time	12 hrs at 25 °C 3.5 hours at 35 °C
Overcoating time	After 24 hours of curing period
Compressive Strength	70 MPa at 7 days

For further clarifications Please contact on below address

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