

# PC Zinc Primer



Two component epoxy based zinc rich primer

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## Product Overview

PC Zinc Primer is a two component zinc rich epoxy based primer, that provide active protection to steel structures against chloride and other free radical ions attack. It is mainly used in protecting steel reinforcements in concrete structures exposed to free air.

## Areas of applications

1. For all steel reinforcements in concrete structures exposed to free air. The primer acts as a protective coating.
2. It can be used as a primer to steel substrates, prior to further coatings

## Properties

1. PC Zinc Primer protects the steel structures actively from corrosion.
2. It bonds excellently to the steel and metal surfaces.
3. It sets fast. Hence saves time between two consecutive coatings.

## Guidelines for Usage

**1. Surface preparation:** All the corroded steel surfaces shall be fully exposed. All the loose particles, oil, grease, corroded scales, deposits etc. should be removed by mechanical means such as grit blasting. The steel surfaces should be dry free from laitance.

**2. Mixing:** Pour both the parts of PC Zinc Primer into a clean container and mix them in the ratio of 3:2 (base:hardener) at a slow speed using a mixing paddle. Until a homogeneous mixture is obtained.

**3. Application:** Apply PC Zinc Primer immediately after mixing to the prepared surface. Don't leave any portion of the sand blasted steel uncoated. By using a brush apply thoroughly. In case of any doubt, apply second coat immediately as soon as the first coat dries. Keep a time gap of 30-45 mins for drying. The no. of coats depends upon the nature of environment and surroundings. After the coatings have dried, the steel can be covered using a repair mortar PC Mortar WPR.

## Coverage area

The recommended application rate is 2.4-3 m<sup>2</sup>/kg. Further the application rates may depend upon the texture of the surface.

## Packages available

PC Zinc Primer is available 2 kg (1.2 kg base and 0.8 kg hardener) and 5 kg (3 kg base and 2 kg hardener) cans .

## Storage and Shelf life

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

# Safety Measures

1. PC Zinc Primer shouldn't come in contact with eyes and skin.
2. Ensure proper ventilation at the storage areas and avoid inhaling the vapours. In case of any contact, rinse the parts with plenty of clean water, if necessary should be washed off with soap and water. Seek medical advice if necessary
3. PC Zinc Primer is flammable. Hence it should be kept away from sources of ignition. Smoking should be prevented while handling or nearby the product. In case of fire use CO<sub>2</sub> fire extinguisher.
4. The brushes and tools must be cleaned as soon as the application is over.
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

Aspect	Thick grey emulsion.
Density	1.75 g/cc
Drying time @ 25°C @ 35°C	45 mins 30 mins
Recoating time	45 mins to 1hour
Pot life	30 mins

For further clarifications Please contact on below address

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