

PC Floor Prime



Solvent free epoxy based primer for concrete floors

Product Overview

PC Floor Prime is a two-component epoxy based solvent free primer for concrete surfaces/floors which has good penetration properties

Areas of applications

PC Floor Prime is a recommended product at all flooring sites prior to the application of epoxy-based floor toppings or repair mortars.

Properties

1. It is a low viscous material and easy to apply.
2. PC Floor Prime improves adhesion of epoxy based floor topping with the concrete substrate.
3. It is a solvent free system and which not only gives excellent bond strength but also high penetration.

Guidelines for Usage

1. Surface preparation: Concrete surfaces should be clean, dry and free from laitance. Sandblasting/grit blasting or mechanical wire brushing may be necessary. Conditions should be maintained in such a way that the substrate doesn't suffer from rising dampness

Fresh substrates: New concrete surfaces must be a minimum of 28 days old or must have moisture less than 5% prior to the application. Laitances and deposits must be removed by light grit blasting/ mechanical scrapping. Then it

should be washed with clean water and allowed to dry.

Old substrates: Any contaminants such as oil, grease, etc., loose particles, loose debris and dust should be removed by mechanical means. The substrate should be thoroughly cleaned and allowed to dry.

2. Mixing: The entire contents of the Hardener (Part -B) should be poured into Base (Part -A) and mixed thoroughly for 5 mins. Make sure to obtain a uniform, homogeneous and bubble-free liquid by using a slow speed mixing paddle.

3. Application: Once mixed, the epoxy primer should be applied as a thin continuous film using a brush or roller. Make sure to avoid excess application or ponding. The first coat will be absorbed very quickly. Apply a second coat in a perpendicular direction covering the light-coloured patches formed as a result of the application of the 1st coat. This not only helps in proper adhesion but also release of air from the porous substrate which may cause bubbles in final epoxy floor topping.

Coverage area

Coverage of PC Floor Prime is wholly dependant upon surface conditions, site trials are therefore it is recommended to ascertain actual usage on uneven substrates. However, as a guideline, we can consider coverage as 6 - 8 m²/litre.

Packages available

PC Floor Prime is available in 15 kg packs (Part -A in 10 kg and Part -B in 5 kg packs). Other bulk packagings are available on request.

Storage and Shelf life

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

Safety Measures

PC Floor Prime 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. All tools and equipment should be cleaned with proper solvents immediately after use. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

For further related to the applicable safety precautions, please contact Mcrete technical representative.

Technical data

Aspect	Colourless liquid
Compressive strength	65 MPa
Flexural strength	40 MPa
Bond strength	Till concrete failure
Chemical resistance	Lower to mid range chemicals
Pot Life	90 minutes at 25 °C 30 minutes at 35 °C
Total dry time	6 - 8 hours

For further clarifications Please contact on below address

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