

# PC Flex Guard PU



High-performance aliphatic PU  
modified waterproofing coating

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## Product Overview

PC Flex Guard PU is a liquid cold-applied high performance, waterbased, PU modified waterproofing coating.

## Areas of applications

1. For all kinds of porous substrates such as concrete, brickwork, plasterboard, cement fiber boards, etc.
2. For making damp proof basements of bathroom, kitchen, balcony, decks, terrace, and all other repairs of leaking roofs.

## Properties

1. PC Flex Guard PU can be used for both external and internal applications
2. It is compatible with many cement based tile substrates and adhesives.
3. It has excellent crack bridging properties.
4. It is eco-friendly and has no odour
5. It gets dried up fast, hence recoating is recommended after 4-5 hrs of application.
6. Since it is water-based, so cleaning is easy with water.
7. It forms a highly flexible membrane.

## Guidelines for Usage

**1. Surface preparation:** The concrete substrates should be free from loose particles, oil, grease, corroded scales, deposits, laitance.etc. Loosely adhered particles shall be

removed with wire brush. All new concrete surfaces must be fully cured for 6-7 weeks. Rendered surfaces must be cured 7 days prior to waterproofing.

All gypsum, plasterboard sheets, fibre cement sheets must be installed as per manufacturer's guidelines with all the overlapping joints to be covered. All the screw/bolt heads must be sealed with epoxy sealer.

Metal surfaces should be free from rust and hairline cracks.

**2. Priming:** All the surfaces to be treated must be primed with suitable water-based primer or same product diluted with 25 % of water. Leave the primed areas for min. 15 minutes prior to waterproofing with PC Flex Guard PU.

**3. Application:** Once the primer is dry, apply the first coat. After it gets dried up, using cross coat technique, apply the second coat at 90° direction ensuring complete coverage. Make sure to remove all the air bubbles to achieve maximum waterproofing effect. Apply third coat only if necessary.

## Coverage area

The recommended application rate is 1.25 kg/m<sup>2</sup> at 1.2 mm dry film thickness in 2 coats. Further, the application rates may depend upon the texture of the surface. PC Flex Guard PU can be applied by brush or roller without the need to

mix, stir or heat before application. Allow 24 hrs to dry.

## Packages available

PC Flex Guard PU is available in 25 kg HDPE Buckets. Other packagings on request

## Storage and Shelf life

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

## Safety Measures

1. Do not dilute any coat after the primer is applied.
2. Make sure the substrate has properly adhered to the underlying structure.
3. The brushes and tools must be cleaned as soon as the application is over.
4. Wear proper safety equipment 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	White coloured paste
Density	1.25 g/cc
Cure time @ 25°C	5-7 days
Recoating time	3-5 hour
Elongation at break	250% at 25°C
Bond strength	>1.5 MPa or till concrete failure

For further clarifications Please contact on below address

### Pinjala Chemicals Pvt. Ltd.

Plot No. 172/A, Road No. 24, Phase 2  
Mallapur IDA, Hyderabad-500076,  
Email: [info@mcrete.com](mailto:info@mcrete.com), Website: [www.mcrete.com](http://www.mcrete.com)  
Ph no: +919985898569, 040-27158569

### Pinjala Chemicals Inc.

30273 Eastridge Drive, Spring,  
Texas 77386, USA  
Email: [info.us@mcrete.com](mailto:info.us@mcrete.com), Website: [www.mcrete.com](http://www.mcrete.com)  
Ph no: 001-3136861237