



PC-Prime® AC

Water Based Penetrating Primer

PC-Prime® AC is a versatile single-component primer designed for use with elastomeric membrane-forming materials. The product is meticulously formulated using selective polymers to create a continuous base-coating that complements the likes of **PC-Sealcoat®** type membrane systems, with its primary function being to enhance bonding between the substrate and membrane. Additionally, it serves as a protective coating that safeguards concrete, masonry, and metal structures from corrosive soil salts and subsurface water ingress. Once dry, it forms an impenetrable, seamless, and waterproof membrane.

ADVANTAGES

- Simple application, can be applied with brush or roller on site.
- Exceptional resistance to carbon dioxide, acid rain, and alkali solutions.
- Superb water resistance
- Eco-friendly product - contains No Volatile Organic Compounds (VOCs)
- Strong adhesion with concrete and masonry

AREAS OF APPLICATION

This product serves as a high-performance primer for water-based, anti-carbonation, and waterproof polymer coatings, making it suitable for use on various surfaces like bridge decks, underpasses, building walls, and roofs. It is also an ideal sealer coat for industrial floors and interior/exterior walls. Additionally, it enhances the performance of high-end decorative and protective coatings when used as a primer.

SURFACE PREPARATION

For the successful application of **PC-Prime® AC**, it's crucial to prepare all surfaces thoroughly to avoid failure. This involves cleaning the surface free of any dust, foreign materials, loose particles, or contaminants that could impede the bond between the original substrate and the primer system. To achieve this, methods such as scarification, grinding, water blasting, sandblasting, acid washing, or any other approved technique can be utilized. In cases where depressions or honeycombs are present, they should be rectified using **PC-Conrend® mortar**, a mixture of 1 part **PC-Conbond®SBR**, 2 parts cement, and 4 parts medium washed sand. The surface should be left for at least 24 hours before applying the primer.

CRACK TREATMENT

In the event of any cracks measuring up to 2 mm, utilize a vacuum cleaner to ensure the area is free of debris. Apply **PC-Prime® AC** to the exposed cracks, followed by a coating of **PC-Prime® AC** along the crack line. Allow the area to dry overnight.



TECHNICAL DATA

Physical Properties	Test Method	Typical Value
Form	--	Low viscous
Appearance of dry film	--	Translucent
Pull off Adhesion at 14 days	ASTM D 541	> 1.5 Mpa (concrete failure)
Drying time at 30°C	65% RH	4 hours
Specific Gravity	--	1.03±0.02
Coverage (Theoretical)	--	4-6m ² /kg/coat
Full Cure, at 30°C	60% RH	5 days
Fungi Resistance	ASTM G21	Passes test

MIXING AND APPLICATIONS

Although **PC-Prime® AC** has excellent adhesion properties with building materials such as cement, concrete, mortar, bricks, and wood, the application of **PC-Prime® AC** will enhance the performance of the final coating system. Prior to application, ensure the primer is stirred well, and apply it on the dry surface with a soft nylon brush or roller. In most cases, one coat of primer should suffice. However, if the surface is excessively porous, it is recommended to apply two coats of primer. Allow a 2-4 hour time gap between the application of each coat. While this water-based product can be applied on slightly damp surfaces, it is recommended to apply the primer on a dry surface for optimum performance.



APPLICATION OF TOP COAT

After the application of primer coat allow it to reach touch dry for 2-4 hours before application of top coat. For more and appropriate application always refer individual Technical Data Sheet of product and or Technical team.

IMPORTANT CONSIDERATIONS

- Reinforcement rods and other sharp materials should not be dragged over the primed surface, as this can puncture the same.
- **PC-Prime® AC** shall always be used without dilution.
- There should not be any rain during and after application of final coating for at least 6-8 hours.
- Not suitable for continuous immersion like basements, water tanks/reservoirs and any other liquid storage tanks.

PACKAGING

PC-Prime AC are 20 KG pails .

STORAGE AND SHELF LIFE

Store at temperature between 5°C and 50°C in a tightly sealed container. Shelf life is minimum of 18 month in a good storage protected from direct sunlight and frost.

HEALTH AND SAFETY

Wear hand gloves, safety shoes, and safety goggles while using and handling the product. In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately



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All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

The information, particularly the recommendations relating to the application and end-use of PC-WC products, are given in good faith based on PC-WC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions by PC-WC recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or any other advice offered. The user must test the product's suitability for the intended application and purpose. PC-WC Global FZ-LLC reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our [website www.pc-wc.com](http://www.pc-wc.com)