



# PC-Prime® PU 20

## High-Performance Polyurethane Primer for Superior Adhesion

PC-Prime® PU 20 is a one-component, ready-to-use polyurethane primer formulated with solvent-based polyurethane prepolymers to stabilize porous substrates and ensure excellent adhesion for polyurethane waterproofing membranes and protective coatings. The product penetrates deeply into the pores of concrete, cementitious screeds, wood, and similar absorbent surfaces, creating a strong bonding layer between the substrate and the subsequent waterproofing system. Its low viscosity and high penetration capability improve surface cohesion while enhancing the long-term durability and performance of polyurethane membrane applications in residential, commercial, and industrial projects.

### FEATURES & BENEFITS

- One-component and ready to use
- Excellent penetration into porous surfaces
- Improves adhesion of polyurethane membranes
- Stabilizes weak and absorbent substrates
- Easy application by brush, roller, or spray
- Fast overcoat time
- High tensile strength and flexibility
- Transparent finish after application
- Suitable for professional waterproofing applications

### USES

- Priming concrete substrates before polyurethane waterproofing application
- Surface preparation for cement screeds and mortar surfaces
- Priming porous substrates prior to liquid membrane coatings
- Adhesion enhancement for polyurethane waterproofing systems
- Suitable for wood and absorbent construction surfaces
- Used in residential, commercial, and industrial waterproofing works

### TECHNICAL DATA

Physical Properties	Value
Form	Polyurethane prepolymer
Color	Transparent
Density	0.99 kg/l
Viscosity	100-120 mPa·s (+23°C)
Adhesion to Concrete (EN 1542)	> 2 N/mm <sup>2</sup>
Elongation at Break (EN-ISO 527)	80-120%
Tensile Strength (EN-ISO 527)	≥ 20 N/mm <sup>2</sup>
Overcoat Time	After 2-3 hours

### APPLICATION INSTRUCTIONS

#### Substrate Preparation

The substrate must be structurally sound, dry, and free from dust, grease, oil, laitance, loose particles, curing compounds, and other contaminants that may affect adhesion. All weak or deteriorated sections should be repaired before application. The surface should be clean and properly prepared to ensure maximum penetration and bonding performance of the primer.

#### Application

PC-Prime® PU 20 should be thoroughly stirred before use. Apply the material uniformly over the prepared substrate using a brush, roller, or spray equipment. Ensure full surface coverage without ponding. The primer should be allowed to dry adequately before applying the polyurethane waterproofing membrane or coating system. Application tools should be cleaned immediately after use with a suitable solvent while the material is still fresh.

### CONSUMPTION

Approximately 200-300 g/m<sup>2</sup> depending on substrate absorbency.

### PACKAGING

20 kg air-tight bucket.

### SHELF LIFE - STORAGE

12 months in original unopened packaging when stored in cool, dry, and shaded conditions away from direct sunlight, heat, moisture, and frost. Keep containers tightly sealed after use.



### PC-WC GLOBAL FZ-LLC

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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)