



PC-Prime® DLS

Advanced Alkali-Resistant Deep Penetration Primer for Stronger, Longer-Lasting Coatings

PC-Prime® DLS is a high-performance, water-based acrylic copolymer primer designed to deeply penetrate and seal porous substrates while providing superior resistance against alkali attack. Engineered for both interior and exterior applications, it strengthens weak surfaces, enhances adhesion of subsequent coatings, and ensures long-term durability of finishing systems. Its excellent bonding capability and substrate consolidation properties make it an ideal base coat for modern construction and renovation projects, delivering a uniform and stable foundation for decorative and protective coatings.

FEATURES

- Deep penetration into porous and weak substrates
- Excellent adhesion for subsequent coatings
- Strong resistance to alkali attack
- Improves durability of paint systems
- Reduces surface porosity and dusting
- Water-based and low VOC formulation
- Easy application by brush, roller, or spray

SURFACE PREPARATION

All surfaces must be structurally sound, clean, dry, and free from dust, oil, grease, laitance, curing compounds, or any contaminants that may affect adhesion. Loose or weak materials should be removed, and surface defects such as cracks, pinholes, or undulations must be repaired prior to application. A light sanding is recommended to improve surface profile and ensure proper bonding. After preparation, all dust and loose particles must be thoroughly cleaned before applying PC-Prime® DLS.

CONDITIONS DURING APPLICATION

Application of PC-Prime® DLS should be carried out when the substrate temperature is above 10°C and at least 3°C higher than the surrounding dew point to prevent condensation on the surface. The substrate must remain dry during application. Proper ventilation is essential, particularly in confined or enclosed areas, to ensure adequate drying and film formation. Avoid application under extreme humidity, direct rain exposure, or strong wind conditions, as these may adversely affect performance and final finish.

DRYING TIMES

Drying time of PC-Prime® DLS is influenced by ambient temperature, relative humidity, air circulation, film thickness, and number of coats applied. Under standard conditions (approximately 23°C and 50% relative humidity), the coating becomes touch dry in about 3 hours and achieves sufficient hardness within 5-10 hours. Recoating can typically be done after a minimum interval of 3-6 hours. At lower temperatures, drying will be slower, while higher temperatures will accelerate the drying process. It is essential that the surface is completely dry and free from contaminants before applying subsequent coats.

USES

- Exterior and interior wall priming
- Concrete and cement plaster surfaces
- Block work and rendered substrates
- Gypsum board preparation
- Renovation of old and chalky surfaces
- As a base coat before waterproofing or paint systems

TECHNICAL DATA

Physical Properties	Typical Value
Binder Type	Acrylic Copolymer Emulsion
Colour	White
Specific Gravity	~1.45
Solids by Volume	37 ± 2 %
VOC Content	0 g/L
Application Methods	Brush, Roller, Spray
Thinner	Clean Water
Dilution	Max. 10%
Theoretical Coverage	10.6 - 14.8 m ² /L

CONSUMPTION

Parameter	Range
Dry Film Thickness (DFT)	25 - 35 µm
Wet Film Thickness (WFT)	70 - 95 µm

RECOMMENDED PAINT SYSTEM

PC-Prime® DLS is recommended as a single coat primer applied over properly prepared substrates to provide a strong and stable base. It should be followed by two coats of suitable topcoat such as exterior or interior decorative paints, elastomeric coatings, or waterproofing systems depending on the project requirements. The primer enhances adhesion and ensures better performance and durability of the complete coating system.

PACKAGING

PC-Prime® DLS is supplied in 20 kg air-tight buckets, ensuring safe storage, protection from contamination, and preservation of product quality during handling and transportation.

CLEANING OF EQUIPMENT

All equipment, and application tools must be cleaned with clean water immediately after use.

REMARKS

Stir the product thoroughly before use to achieve uniform consistency. If multiple containers or batches are used, it is advisable to mix them together to ensure color and performance uniformity. Application parameters may vary depending on substrate condition and environmental factors, therefore on-site trials are recommended prior to full-scale application. For specific applications or compatibility with other systems, consult the technical team. The manufacturer reserves the right to modify product data without prior notice in line with continuous product improvement.

SHELF LIFE & STORAGE

24 months from the date of manufacture when stored in original unopened packaging under dry, shaded, and cool conditions. Store away from direct sunlight, excessive heat, moisture, and frost. Containers should be kept tightly sealed when not in use.

HEALTH & SAFETY

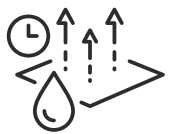
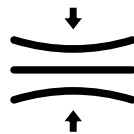
- Wash skin with soap & water. Remove contaminated clothes.
- Immediately splash your eyes with plenty of water. Consult a Physician if irritation persists.



PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN
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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)