



PC-Sealcoat® Shield

Silane / siloxane-based water repellents.

PC-Sealcoat® Shield is a premium solvent-based water repellent formulated with silane/siloxane technology. It penetrates deeply into concrete and masonry to create a breathable, invisible barrier that reduces water absorption without blocking moisture vapor escape. Ideal as a primer or standalone treatment, it protects against efflorescence, alkali attack, and reinforcement corrosion—enhancing durability and topcoat adhesion while preserving the natural finish of the surface.

FEATURES

- Penetrates deeply to form an effective water-repellent barrier.
- Allows moisture vapor to escape, preventing trapped damp.
- Protects against efflorescence, alkali damage, and corrosion.
- Enhances adhesion of exterior coatings and topcoats.
- Maintains the natural appearance of concrete and masonry surfaces.

PRODUCTS PROPERTIES

Physical Properties	Typical Value
Type of Product	silane/siloxane based water repellent impregnation
Colour	Transparent
Density	1.00 g/cm ³
Form	Liquid
Drying time	2 hours
Coverage	6 – 10 m ² per kg per coat (Actual coverage is dependent on substrate condition.)
Recommended Temperature	+5°C to +35°C

LIMITATIONS

- Not suitable for use on painted, glazed, or non-porous surfaces.
- Only recommended for new or bare concrete and masonry substrates.
- Avoid application on surfaces with high moisture content or alkalinity above pH 9.
- Not designed for use on traffic-bearing floors or surfaces subject to mechanical abrasion.

USES

Suitable for exterior RCC walls, bare concrete, plaster, brickwork, and other absorbent masonry surfaces as a water-repellent primer or protective treatment.

CHARACTERISTICS / ADVANTAGES

- Excellent water repellency without sealing surface pores, allowing the substrate to breathe.
- High resistance to alkali, efflorescence, and chloride-induced corrosion.
- Improves durability and long-term performance of exterior coatings.

SURFACE PREPARATION

Ensure all surfaces are clean, dry, and free from dust, grease, oil, loose particles, or any other contaminants. Remove powdery residues by brushing or scraping. The moisture content of the substrate should be below 16% and the surface pH should be under 9 before application. Avoid applying on damp or newly plastered surfaces that haven't fully cured.

APPLICATION

Apply PC-Sealcoat® Shield evenly using a brush, roller, or low-pressure spray. For optimal performance, apply two coats wet-on-wet without dilution unless otherwise recommended. Allow the first coat to penetrate before applying the second. Ensure good ventilation during drying. Clean tools immediately after use with appropriate thinner.

PACKAGING

18 kg buckets.

HEALTH AND SAFETY

- Keep container tightly closed and out of reach of children.
- Use in well-ventilated areas and wear eye protection.
- Avoid skin and eye contact; rinse with water if contact occurs.
- Store in a cool, dry place and dispose of waste properly.



PC-WC GLOBAL FZ-LLC

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TDS/PC-PC-SEALCOAT® SHIELD/25

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)