PC-Sealcoat®Top

UV-resistant top coat to surfaces exposed to sunlight to achieve a glossy, color-stable finish that resists chalking.

PC-Sealcoat®Top is a pigmented, colorfast, and UV-stable coating known for its exceptional durability and elasticity. Applied and cured at low temperatures, this single-component aliphatic polyurethane coating is tailored to serve as a protective top layer over exposed polyurethane waterproofing coatings. Through a moisture-induced chemical reaction with ambient moisture, this coating provides enduring safeguarding properties.

FEATURES AND BENEFITS

- Application is simplified through the use of a roller or airless spray method.
- Formulated as a single component.
- Improves the abrasion and wear resistance of the underlying waterproofing membrane.
- Exhibits high sun reflectivity, offering thermal insulation advantages.
- Demonstrates UV and color stability, ensuring enduring performance.
- Yields a lustrous surface that is easy to clean.
- Resistant to the chalking effect commonly observed in aromatic polyurethane coatings.
- Endures water, heat, and frost exposure.
- Maintains mechanical properties within a temperature range from -40°C to +90°C.
- Suitable for pedestrian traffic on waterproofed surfaces in residential environments.

USES

A specialized protective layer designed for waterproofing coats serves various applications, such as:

- Roof waterproofing
- Waterproofing for balconies, terraces, and verandas
- Waterproofing for pedestrian decks and walkways
- Protection for polyurethane foam insulation

CONSUMPTION

The recommended coverage usually falls within the range of 120-250 grams per square meter, typically administered in one or two layers. This calculation is based on applying the substance with a roller on a sleek surface in optimal circumstances. Actual consumption may fluctuate based on variables like surface porosity, temperature, humidity, application method, and the desired final appearance.

METHOD OF APPLICATION

Surface preparation

- Careful surface preparation is essential for optimum finish and durability.
- The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the primer.
- Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25 MPa (N/mm^2), cohesive bond strength at least 1.5 MPa (N/mm^2). Old coatings, dirt, organic substances and dust need to be removed by a grinding machine.
- Oil or grease contamination must be cleaned substantially. Possible surface irregularities need to be smoothened. Any loose surface particles and grinding dust need to be thoroughly removed.

WARNING: Do not wash the surface with water!

Waterproofing membrane

Refer relevant pc-wc product datasheet.

Top coat

- Stir **PC-Sealcoat®Top** well before using.
- Apply by roller, brush or airless spray in one or two layers.
- Allow 3-6 hours (not more than 36 hours) to cure, between two layers.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

CAUTION: PC-Sealcoat®Top may pose a slip hazard when wet. To mitigate the risk of slipping during rainy conditions, it is recommended to disperse suitable aggregates onto the recently treated surface to improve traction. For additional details, please contact our PC-WC Technical Services team.

If areas of the surface exhibit ponding water where the **PC-Sealcoat®Top** system is utilized, routine cleaning is vital to mitigate potential biological and microbial deterioration.

COLORS

PC-Sealcoat® Top is offered in white, light grey, and brown-red. Additional RAL colors can be supplied upon request.

PACKAGING AND STORAGE

PC-Sealcoat®Top is contained in 20 kg metal pails. Optimal storage guidelines recommend storing these pails in dry, cool conditions for up to 9 months to shield the contents from moisture and sunlight. The recommended storage temperature falls within the range of +5°C to +30°C. It is advisable to maintain the products in their original, sealed containers, including vital information such as the manufacturer's name, product label, batch number, and application instructions.

TECHNICAL PARAMETERS

Physical Properties	RESULTS	TEST METHOD
Composition	Pigmented Aliphatic moisture triggered Polyurethane polymer. Solvent based	
Resistance to Water Pressure	No Leak	DIN EN 1928
Elongation at break	289%	DIN EN ISO 527
Tensile strength	3.72N/mm^2	DIN EN ISO 527
Elongation at break after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m^2)	272 %	DIN EN ISO 527
Tensile strength after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m^2)	2.68N /mm^2	DIN EN ISO 527
Gloss retention after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m^2)	Good	DIN 67530
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m^2)	No chalking observed. Chalking grade 0	DIN EN ISO 4628-6
Adhesion to the weberdry PUR seal	> 2 N/mm^2	ASTM D 903
Hardness (Shore A Scale)	65	ASTM D 2240 (15″)
Solar Reflectance (SR) (white color)	93.5%	ASTM E903-96
UV accelerated ageing, in the presence of moisture	Passed - No significant changes	EOTA TR-010
Hydrolysis (5% KOH, 7 days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-40°C to +90°C	Inhouse Lab
Tack Free Time	1 - 3 hours	″
Light Pedestrian Traffic Time	12 hours	″
Final Curing time	7 days	″
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	=

TECHNICAL DATA SHEET
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TDS/PC-SEALCOAT TOP/20

ISO 9001 CERTIFIED

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