



PC-Cpsheidl®ED

Low voc solvent free, flexible polyurethane car park deck coating system

PC-Cpsheidl®ED an environmentally friendly Green Label certified, low VOC, solvent-free, flexible polyurethane traffic coating system specifically engineered for intermediate car parking levels. This system not only enhances the aesthetics of multi-storey car parks but also fosters brighter and safer environments for visitors.

FEATURES

- This environmentally preferred coating revitalizes dim, shadowy car parks and elevated floors.
- Resistant to wear and abrasion, making it ideal for frequent vehicle use.
- Offers a textured finish to enhance safety by reducing slip hazards for car park visitors.
- Boasts 100% UV light stability, maintaining its color integrity over time.

PRODUCTS PROPERTIES

| Physical Properties | Typical Value |
|-----------------------------|---|
| FIRE RESISTANCE | EN 13501-1 Bfl - s1 |
| SLIP RESISTANCE** | Method described in BS 7976-2 (typical values for 4-S rubber slider) Dry >40, Wet depends on specification (in accordance with HSE and UKSRG guidelines) |
| THERMAL RESISTANCE | Softens over 70°C, Hardens on cooling |
| CHEMICAL RESISTANCE | Contact Technical Department. Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids. |
| ABRASION RESISTANCE | ASTM D4060 (1 kg load using CS17 wheels) 0.1g loss per 1000 cycles |
| RESISTANCE TO CHLORIDE IONS | DOT BD47/94: Appendix B, Method B4,2(d). No chloride ion penetration after 28 days |
| WATER PERMEABILITY | Nil - Karsten test (impermeable) |
| BOND STRENGTH | Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa |
| VOC CONTENT | ISO11890-2 Very Low <20 g/L |
| UV LIGHT RESISTANCE | Excellent (non-yellowing) |

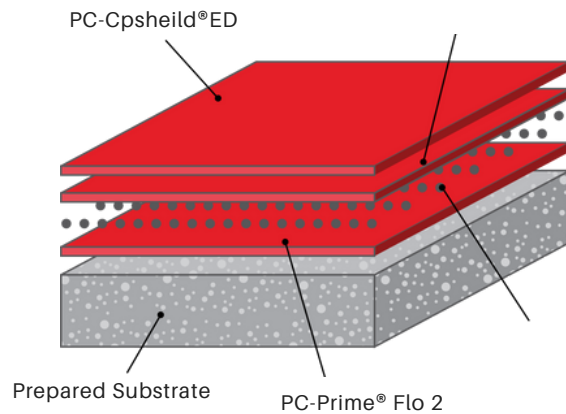
| SPEED OF CURE | 10°C | 20°C | 30°C |
|--------------------|------|------|------|
| Light Traffic | 30 h | 18 h | 12 h |
| Full Traffic | 48 h | 36 h | 24 h |
| Full Chemical Cure | 12 d | 7 d | 6 d |

MODEL SPECIFICATION

| System | PC-Cpsheidl®ED |
|--------------|----------------------------|
| Finish | Textured |
| Thickness | Dependant on specification |
| Manufacturer | PC-WC Global Fz-ltc |

Preparatory work and application in accordance with manufacturer's instructions.

SYSTEM DESIGN



USE

Enhancing to one way to enhance the aesthetics of multi-storey car parks is by incorporating vibrant colors and artwork into the design. This can help create a more visually appealing environment and make visitors feel more welcome and safe. Additionally, installing bright and energy-efficient lighting can improve visibility and safety in the car park. Adding greenery such as vertical gardens or hanging plants can also bring a touch of nature to the space, making it more inviting. Implementing security measures like surveillance cameras and emergency call stations can further enhance safety for visitors. By combining these elements, multi-storey car parks can be transformed into vibrant, safe, and aesthetically pleasing spaces for all who use them.

The figures presented represent standard properties observed in laboratory assessments conducted at a temperature of 20°C and a relative humidity of 50%. It is imperative to acknowledge that the slipperiness of flooring materials can undergo substantial alterations post-installation, following brief periods of usage, due to inadequate maintenance, extended wear, or the presence of surface contaminants, whether wet or dry. To ensure compliance with slip resistance standards under wet conditions or in the presence of surface contaminants, it is advisable to consider textured systems. For comprehensive information and specifications, kindly reach out to our Technical Advisors.



ENVIRONMENTAL CONSIDERATIONS

The finalized system undergoes evaluations ensuring its safety for both human health and the environment. Its extended service life and sleek surface contribute to reduced needs for repairs, maintenance, and cleaning. PC-WC personnel and skilled contractors diligently oversee environmental and health considerations throughout the manufacturing and application processes of these products.

AFTERCARE, CLEANING & MAINTENANCE

Regularly clean using a single or double-headed rotary scrubber drier paired with a mildly alkaline detergent.

IMPORTANT NOTE

PC-WC flooring products are accompanied by a warranty that safeguards against any defective materials or manufacturing problems. To access detailed information regarding our warranty coverage, kindly consult our standard 'Warranty, Terms and Conditions of Sale, which can be provided upon request. It is important to acknowledge that the warranty does not cover suitability, fitness for purpose, or any subsequent or associated damages.

SUBSTRATE REQUIREMENTS

The concrete or screed substrate must exhibit a minimum strength of 25 N/mm² and must be free from laitance, dust, and any other impurities. Additionally, the substrate should ideally be dry, with moisture levels not exceeding 75% relative humidity as per BS8204 guidelines, and must be devoid of rising damp and soil moisture pressure.

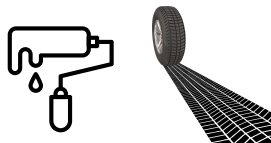
FURTHER INFORMATION

To ensure the selection of a floor that aligns with your requirements, we advise contacting our Technical Advisors or visiting our website to indicate your interest in specifying one of the most durable flooring options.



PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN
SEPTEMBER 2020
TD/SPC-CPSHEILD*ED/20

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)