



# PC-iFloor® 5500 P

## Satin Matt Self-Smoothing Flexible Polyurethane Resin Floor Finish

PC-iFloor® 5500 P is a pigmented, self smoothing polyurethane floor finish that has a good level of chemical resistance for industrial environments. Typically used in vehicle workshops & engineering factories where high durability is required.

### FEATURES

- Protects against a range of chemicals
- used in industrial processes.
- Offers excellent protection against dropped items and heavy loads.
- Hard-wearing & abrasion resistant
- suitable for medium to heavy traffic.
- The seamless and gloss finish allows the system to be cleaned easily.
- Low odour during application for greater client satisfaction.

### 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	Tolerant of sustained temperatures up to 40°C
WATER PERMEABILITY	Nil - Karsten test (impermeable)
CHEMICAL RESISTANCE	Contact Technical Department
ABRASION RESISTANCE	
IMPACT RESISTANCE	DIN 53504 50 - 100%
COMPRESSIVE STRENGTH	DIN 53505 Approx. 80
FLEXURAL STRENGTH	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 1.5 MPa
TENSILE STRENGTH	Inert and harmless when cured
BOND STRENGTH	

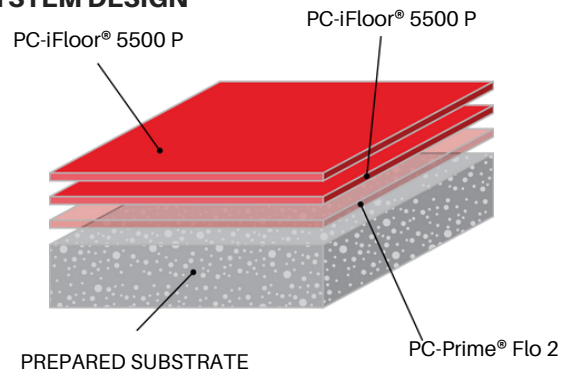
SPEED OF CURE	10°C	20°C	30°C
Light Traffic	30 h	24 h	12 h
Full Traffic	72 h	48 h	24 h
Full Chemical Cure	12 d	7 d	6 d

### MODEL SPECIFICATION

System	PC-iFloor® 5500 P
Finish	Gloss / Satin
Thickness	Dependant on specification
Manufacturer	PC-WC Fz llc

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

### SYSTEM DESIGN



### PRODUCTS INCLUDED IN THIS SYSTEM

Primer	PC-Prime® Flo 2
Base Coat	PC-iFloor® 5500 P
Finishing Coat	PC-iFloor® 5500 P

Detailed application instructions are available upon request.

### SUBSTRATE REQUIREMENTS

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

### INSTALLATION SERVICE

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at [www.pc-wc.com](http://www.pc-wc.com)





## ENVIRONMENTAL CONSIDERATIONS

The completed system is evaluated as safe for both health and the environment. With its durable nature and smooth surface, it minimizes the necessity for repairs, maintenance, and cleaning. Throughout the manufacturing and application processes, PC-WC personnel and well-trained contractors ensure environmental and health standards are upheld.

## AFTERCARE, CLEANING & MAINTENANCE

Clean your space routinely by using either a single or double-headed rotary scrubber drier along with a mildly alkaline detergent.

## IMPORTANT NOTE

PC-WC products are accompanied by a guarantee that covers any defects in materials and manufacturing. These products are sold in accordance with our standard 'Warranty, Terms, and Conditions of Sale,' which can be obtained upon request. It is important to highlight that the warranty does not extend to suitability, fitness for purpose, or any consequential damages.

## FURTHER INFORMATION

To ensure that you select a flooring option that aligns with your requirements, we advise contacting our Technical Advisors or visiting our website to indicate your interest in choosing one of the most durable flooring solutions accessible.

## PACKAGING

PC-iFloor® 5500 P comes in 20 Kg Bucket

## SHELF LIFE

The product has a shelf life of 12 months from the manufacturing date when stored in unopened packaging. Ensure protection from rain, direct sunlight, heat, and frost.



## PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN  
SEPTEMBER 2020  
TDS/PC-IFLOOR® 5500 PU/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)