



# PC-iFloor® 4000 E

High-Gloss, Self-Smoothing Epoxy Resin Floor Finish Generally Applied at 2-4mm Thickness

PC-iFloor® 4000 E is a high-gloss, self-leveling epoxy floor finish that complies with CSM® (Cleanroom Suitable Materials) standards. This type of finish is typically employed in cleanrooms, laboratories, warehouses, and storage facilities.

## FEATURES

- Meets the criteria specified for the CSM test in the following three categories.
- Complies with the standards established by the USDA and FDA.
- The smooth and glossy finish facilitates easy cleaning of the system.
- Durable and resistant to abrasion, ideal for medium to heavy traffic.

## 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 up to 60°C
Water Permeability	Nil - Karsten test (impermeable)
Abrasion Resistance	Taber Abrader (1 kg load using CS17 wheels) 90 mg loss per 1000 cycles
Compressive Strength	EN 13892-2 >50 N/mm <sup>2</sup>
Flexural Strength	EN 13892-2 >30 N/mm <sup>2</sup>
Tensile Strength	BS 6319 25 N/mm <sup>2</sup>
Bond Strength	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. >1.5 MPa
Biological Resistance	ISO 846 Excellent
Cleanroom Air Cleanliness	ISO 14644-1 & ISO-Class 4
Tvoc (AT 23°C)	ISO 14644-8 & ISO-ACCm Class -8.7

Properties measured at 20°C and 50% Relative Humidity show flooring slipperiness can change due to various factors. Textured systems are recommended for slip resistance under wet conditions or with surface contaminants. Contact our Technical Advisors for more details.

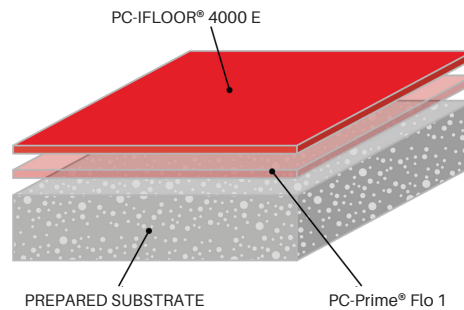


## MODEL SPECIFICATION

System	PC-iFloor® 4000 E
Finish	Gloss
Thickness	2-3 mm
Manufacturer	PC-WC Global Fz llc

Prepare and apply following the manufacturer's guidelines.

## SYSTEM DESIGN



## PRODUCTS INCLUDED IN THIS SYSTEM

Primer	PC-Prime® Flo 1
Finishing Coat	PC-iFloor® 4000 E

Optional sealers offer the flexibility to achieve either a matte finish or enhance scratch resistance. For further details, we encourage you to contact pc-wc. Should you require comprehensive application guidelines, feel free to request them from our team.

## SUBSTRATE REQUIREMENTS

The concrete or screed base needs to have a minimum strength of 25N/mm<sup>2</sup> and must be clean, free from laitance, dust, or any other contaminants. It should also be dry up to 75% RH as per BS8204 standards, and free from rising damp and ground water pressure.

## INSTALLATION SERVICE

The installation must be carried out by a licensed contractor who adheres to a documented quality assurance scheme. For details regarding our licensed contractors, kindly contact our customer service team or visit our website at [www.pc-wc.com](http://www.pc-wc.com).



## CLEANING, AND MAINTENANCE

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

## ENVIRONMENTAL CONSIDERATIONS

The finalized system has undergone evaluation, affirming its safety for both health and the environment. Boasting a resilient surface and prolonged lifespan, it reduces the need for frequent repairs, maintenance, and cleaning. The production and application processes of these products are meticulously overseen by pc-wc staff and proficient contractors to ensure stringent adherence to environmental and health standards.

## FURTHER INFORMATION

To ensure the selection of the most appropriate flooring solution for your requirements, we advise you to contact our Technical Advisors or visit our website to indicate your interest in specifying one of the most durable flooring options available.

## IMPORTANT NOTE

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



## PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN  
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TDS/PC-IFLOOR® 4000 E/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)