



# PC-iFloor® 2000 MF

Cementitious polyurethane floor finish is applied smoothly in a matte finish, with a thickness ranging from 3 to 4 mm.

PC-iFloor® 2000 MF is a pigmented, cementitious polyurethane floor coating known for its expert application resulting in a smooth matte finish, typically measuring between 3 to 4 mm in thickness. This durable coating is especially suitable for dry or semi-wet processing environments.

## FEATURES

- It offers protection against a variety of chemicals prevalent in industrial operations.
- It provides exceptional defense against dropped objects and heavy loads.
- Being durable and resistant to abrasion, it is well-suited for medium to heavy traffic.
- It demonstrates remarkable thermal shock resistance, capable of withstanding extreme temperatures.
- It boasts a low odor profile during application, contributing to heightened client satisfaction.

## PRODUCTS PROPERTIES

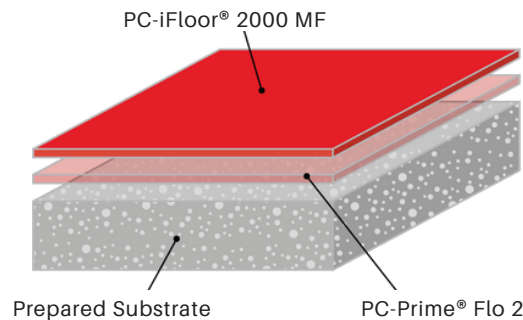
Physical Properties	Typical Value
Fire Resistance	EN 13501-1 & Bfl - s1
Slip Resistance	Method described in BS 7976-2 (typical values for 4-S rubber slider) & Dry >40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)
Impact Resistance	EN ISO 6272 & 15Nm
Water permeability	Nil - Karsten test (impermeable)
Vapor Permeability	ASTM E96:90 & 5g/m <sup>2</sup> /24hrs (at 4mm thick)
Temperature Resistance	From -5°C to 70°C (at 3mm) & From -15°C to 90°C (at 4mm)
Chemical Resistance	Contact Technical Department Excellent resistance to sugars and most acids (organic and inorganic)
Abrasion resistance	Taber Abrader (1 kg load using CS17 wheels) & 0.1g loss per 1000 cycles
Compressive Strength	EN 13892-2 & >50 N/mm <sup>2</sup>
Flexural Strength	EN 13892-2 & >20 N/mm <sup>2</sup>
Tensile strength	BS 6319 & 7 N/mm <sup>2</sup>
Coefficient Of Thermal Expansion	ASTM C531 & 5.70 x 10 <sup>-5</sup> °C <sup>-1</sup>
Bond Strength	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. >1.5 MPa

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	10 d	7 d	0 d

## MODEL SPECIFICATION

System	PC-iFloor® 2000 MF
Finish	Matt
Thickness	3 - 4 mm
Manufacturer	PC-WC FZ llc

## SURFACE PREPARATION



## PRODUCTS INCLUDED IN THIS SYSTEM

Primer	PC-Prime® Flo 2
Finishing Coat	PC-iFloor® 2000 MF

Application instructions with full details can be provided upon request.

## SUBSTRATE REQUIREMENTS

The concrete or screed substrate must possess a minimum strength of 25N/mm<sup>2</sup> and must be free from laitance, dust, and any other impurities. It is essential to verify that the substrate is dry on the surface and free from rising dampness and groundwater pressure.



The depicted colors are for reference only and may differ from the actual product. For an extensive color chart and samples, we recommend contacting your local PC-WC office.



## INSTALLATION SERVICE

The installation must be conducted by a licensed contractor with an established quality assurance system. For further details regarding our licensed contractors, please contact our customer service team or visit our website at [www.pc-wc.com](http://www.pc-wc.com).

## ENVIRONMENTAL CONSIDERATIONS

The system has been assessed as safe for both health and the environment. Its durable construction and sleek surface reduce the need for repairs, maintenance, and cleaning. PC-WC staff and proficient contractors diligently oversee environmental and health considerations throughout the manufacturing and application phases of the products.

## AFTERCARE, CLEANING & MAINTENANCE

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

## IMPORTANT NOTE

PC-WC products are accompanied by a warranty that safeguards against defects in materials and workmanship. These products are distributed under our standard 'Warranty, Terms, and Conditions of Sale,' available upon request. It is important to understand that the warranty does not extend to suitability, fitness for a specific purpose, or consequential damages.

## FURTHER INFORMATION

To select a floor that aligns with your requirements, we encourage you to consult our Technical Advisors or visit our website to indicate your interest in opting for one of the most durable flooring options on offer.

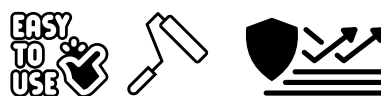
## SAFETY

- Make sure to wear hand gloves, safety shoes, and safety goggles when using or handling the product.
- If the eyes or mouth come into contact with the product, rinse with plenty of clean water and seek immediate medical attention. Refer to the Material Safety Data Sheet before using.



## PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN  
SEPTEMBER 2020  
TDS/PC-IFLOOR® 2000 MF/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)