



# PC-Floorhard® Flow

## Surface Hardener and Dust Proofer for Concrete Floors

PC-Floorhard® Flow is a one-part clear liquid, used to harden the surface, to reduce dusting of new or old concrete. The product can also be used as a curing agent to reduce the loss of water of new concrete while setting.

### ADVANTAGES

- Increase abrasion resistance
- Improve resistance to impact
- Reduce water absorption
- Reduce dusting of concrete floor
- Use as curing agent, to reduce the loss of water of new concrete.

### PRODUCTS PROPERTIES

Physical Properties	Typical Value
Colour	Clear liquid
Solid Content	34.6 %
Curing Efficiency (ASTM C156)	Loss of water: 0.43 kg/m <sup>2</sup> Loss of water compared to ASTM C309 (100%=0.55kg/m <sup>2</sup> ): 21.82 % Loss of water compared to untreated concrete (100%=3.72kg/m <sup>2</sup> ): 88.44 %
Capillary Water Absorption (EN 1062-3)	25.51 %
Abrasion Resistance (EN 12808-2)	23 %
Pull-off Test (EN 1542)	34.34 %
Schmidt Hammer (ASTM C805)	33.33 %

### STORAGE & PACKING

PC-Floorhard® Flow is offered in 20 kg pails and 200 kg drums. When stored in its original packaging in a sheltered, dry environment away from rain and sunlight, the product remains viable for up to 12 months.

### HEALTH & SAFETY

PC-Floorhard® Flow contains ingredients that have the potential to induce allergic reactions and may lead to eye and skin irritation. In case of contact with the eyes, it is advisable to rinse them thoroughly with water and seek medical attention. Should skin contact occur, promptly cleanse the affected area with soap and water. To maintain safety, it is imperative to store this product out of the reach of children.



### PC-WC GLOBAL FZ-LLC

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### USES

PC-Floorhard® Flow is a Liquid Hardener & Dust proofer is intricately crafted to offer outstanding abrasion and wear resistance, catering to a diverse range of flooring applications, be it for new installations or existing floors. While it is predominantly tailored for commercial and industrial settings like factories and warehouses, this product also demonstrates efficacy in areas such as carparks, driveways, garages, loading bays, exhibition halls, and automobile showrooms.

### SURFACE PREPARATION

Freshly poured concrete necessitates a minimum curing period of 14 days for proper setting. It is essential to ensure the surface is free from excess water before the application of PC-Floorhard® Flow. Prior to applying the solution, it is imperative to thoroughly clean the surface, removing any dust, oil, grease, or other contaminants. Any imperfections such as holes, cracks, or uneven areas should be addressed by utilizing PC-Congrout®GP non-shrink grout. Colored surfaces should be allowed to cure for 28 days before conducting a small test area with PC-Floorhard® Flow to evaluate its effect on the color integrity.

### APPLICATION

Use an appropriate tool to coat PC-Floorhard® Flow on the surface. A low-pressure sprayer could be used for large areas. Leave for 60-120 minutes for PC-Floorhard® Flow to be absorbed in the surface. Clean the unabsorbed product away. Polish the entire surface with a machine or other appropriate tool. Remove the remaining product. If a second coat is required (high absorption surface), leave the first coated surface for 2 - 4 hours. Make sure the surface is dry before the second application of polishing. Clean the tools immediately after use.

### CONSUMPTION / USAGE

Approx. 0.20 kg/m<sup>2</sup> per coat application.

### PRECAUTIONS

Excessive product application can result in a thin, glossy film on the surface. Avoid using the sprayer with silicone or release agents. PC-Floorhard® Flow will not address issues with weak substrates, highly porous substrates, damaged substrates, or substrates with low cement content. For optimal results, apply PC-Floorhard® Flow on concrete that is at least 7 days old.



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)