



PC-iFloor® EP Stone

Two-component, solvent-free epoxy decorative self-leveling interior floor finish in a single thick coat.

PC-iFloor® EP Stone is a high-performance, epoxy resin-based, two-component, solvent-free decorative flooring system specially formulated to provide a seamless, self-leveling, and aesthetically refined stone-like surface finish for interior floors. The system is designed to deliver a durable and visually attractive floor with the appearance of natural stone or terrazzo-style decorative texture, making it ideal for modern commercial, residential, and institutional environments. When properly mixed and applied, PC-iFloor® EP Stone forms a dense, smooth, and hard-wearing floor layer with excellent adhesion to prepared concrete substrates, strong mechanical performance, good abrasion resistance, and enhanced resistance to common household and light commercial chemicals. Its low-viscosity, easy-flow formulation allows for efficient placement in a single thick coat application, helping achieve a uniform decorative appearance while reducing joints and surface imperfections. The product is suitable for projects where both decorative appeal and long-term service performance are required, offering a seamless finish that is easy to clean, low in maintenance, and capable of improving the overall appearance and durability of interior floor surfaces.

FEATURES

- Seamless decorative stone-like finish
- Self-leveling and smooth application characteristics
- Solvent-free formulation
- Low odor during application
- High-build single coat system
- Excellent adhesion to properly prepared concrete
- Attractive terrazzo / natural stone appearance
- Durable and hard-wearing surface
- Good abrasion resistance
- Easy to clean and maintain
- Dense, non-dusting floor finish
- Suitable for modern decorative interior flooring
- Reduces visible surface imperfections on prepared substrates
- Can be applied in thicker decorative floor build-up
- Enhances aesthetic value of interior spaces

USES

- Decorative interior concrete floor finishing
- Residential living rooms and lounges
- Showrooms and display areas
- Retail outlets and boutiques
- Office floors and reception areas
- Hotel lobbies and corridors
- Restaurants and cafés
- Salons and wellness centers
- Commercial spaces requiring aesthetic seamless flooring
- Light-duty institutional floors
- Feature floors in apartments and villas
- Interior floors requiring stone-like decorative finish

SURFACE PREPARATION

All concrete substrates must be structurally sound, clean, dry, and free from dust, laitance, grease, oil, curing compounds, wax, paint, sealers, loose particles, or any other contaminants that may affect adhesion. New concrete should be fully cured prior to application. The substrate should have sufficient compressive strength and a sound surface profile suitable for epoxy flooring systems. Weak or deteriorated concrete must be repaired before application. Surface preparation should be carried out by mechanical means such as grinding, shot blasting, or scarifying to create a clean, open-textured, and contaminant-free surface. Any cracks, holes, honeycombs, or uneven areas should be repaired using a suitable epoxy repair mortar or compatible repair material before application. The prepared substrate must be dry and free from standing water or moisture. Application should not proceed on damp or moisture-affected surfaces unless the suitability of the substrate has been verified.

PRODUCTS PROPERTIES

Properties	Value
Packaging	18 kg (Set)
Mix Ratio (by weight)	10 : 1 (Typical)
Pot Life @ 25°C	Approx. 25 - 35 minutes
Coverage Rate**	Approx. 0.55 - 0.75 m ² /kg @ 2 mm
Adhesion to Concrete	> 2.0 MPa
Light Foot Traffic @ 25°C	Approx. 18 - 24 hours
Full Cure @ 25°C	Approx. 5 - 7 days
Recommended Thickness	1 mm - 2 mm

MIXING

PC-iFloor® EP Stone is supplied as a multi-component decorative epoxy flooring system. Prior to mixing, all components should be conditioned to the recommended application temperature. Stir each component separately if required. Add the hardener component into the resin component and mix thoroughly using a slow-speed electric mixer fitted with a suitable mixing paddle. Mix continuously for approximately 2 to 3 minutes until a uniform, streak-free consistency is achieved. If the system includes decorative stone-effect fillers or blended mineral aggregates, these should be gradually added into the mixed resin system while continuing to mix until a homogeneous and lump-free mixture is obtained. Care should be taken to scrape the sides and bottom of the mixing container during blending to ensure full incorporation of all materials. Avoid excessive mixing speed to minimize air entrapment. Only mix quantities that can be applied within the usable pot life of the product.

APPLICATION

Apply the fully mixed PC-iFloor® EP Stone directly onto the properly prepared concrete substrate and spread evenly using a notched squeegee, gauge rake, or steel trowel to the specified thickness, depending on the desired decorative finish and project requirements. Immediately after spreading, use a spiked roller where appropriate to release entrapped air and assist in achieving a uniform, self-leveling surface. Application thickness should be maintained consistently across the floor to ensure an even decorative appearance. Work continuously to maintain a wet edge and avoid visible joints between adjacent batches. The product should be applied under recommended ambient and substrate temperature conditions and protected from dust, moisture, water, condensation, and traffic during curing. Foot traffic should only be allowed after sufficient curing has occurred, and full service loading should be delayed until the system has reached its final cure. Variation in application technique, substrate condition, and environmental conditions may affect the final decorative appearance; therefore, a mock-up or trial application is recommended before full-scale installation.

TECHNICAL DATA

Physical Properties	Test Type	Typical Value
Compressive Strength	ASTM D 695	@ 7 days psi (MPa) 6,700 (46.2)
Hardness, Shore D	ASTM D 2240	85 to 90
Bond Strength	ASTM D 4541	Greater than concrete
Water Absorption	ASTM D 570	@ 24 hours.....<0.5%
Monolithic Surfacing	ASTM C 722	Passes
Tensile Strength	ASTM D 638 psi (MPa)	5,500 (37.9)
Tensile Elongation	ASTM D 638	15 to 30%

PRECAUTIONS / LIMITATIONS

PC-iFloor® EP Stone is for interior use only and must be applied on sound, clean, dry, and properly prepared substrates. Do not apply on damp or contaminated surfaces. High temperatures may reduce pot life, while low temperatures may delay curing. Mix only the amount that can be used within the working time, and do not add water, solvent, or other unauthorized materials. The final decorative appearance may vary depending on substrate condition and application method, so a trial application is recommended. Protect the applied surface from moisture, dust, and traffic during curing. Proper ventilation and suitable personal protective equipment should be used during application.

SHELF LIFE

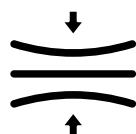
18 months from the date of manufacture when stored in original unopened packaging under dry, shaded, and cool conditions. Store away from direct sunlight, excessive heat, moisture, and frost. Containers should be kept tightly sealed when not in use.

CLEANING OF EQUIPMENT

All equipment, and application tools must be cleaned with clean water immediately after use.

HEALTH & SAFETY

- Wash skin with soap & water. Remove contaminated clothes.
- Immediately splash your eyes with plenty of water. Consult a Physician if irritation persists.



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)



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