

MC-Floor 1022

High performance two-component Epoxy floor coating.

- PRODUCT DESCRIPTION:**
- **MC-Floor 1022** is a two-component, solvent-based epoxy coating system, pre-measured and ready for on-site mixing and application.
 - Upon curing, the product forms a hard yet flexible coating with good adhesion to clean concrete surfaces. The coating has a glossy finish and is easy to clean.

- PRODUCT PROPERTIES:**
- Hard wearing - durable, low maintenance costs.
 - High resistance to a wide range of industrial chemicals.
 - Hygienic - impervious finish provides easily cleaned surface.
 - Attractive - available in a range of colours to improve the working environment.

- AREAS OF APPLICATION:**
- The protective coating on the floor surface is abrasion-resistant, easy to clean, and highly resistant to chemicals.
 - Suitable for: product assembly areas, workshops, dairy and beverage processing plants, kitchens, showrooms, etc.
 - Typical areas of application include:
 - Airport Lounge, terminals etc.
 - Hospitals
 - Shopping malls & convention centres
 - Pharmaceuticals plants
 - Educational institutions
 - Residential/Commercial buildings

- INSTRUCTION OF USE:**
- **Specification:** Apply the floor coating using **MC-Floor 1022**, a two-component, solvent-based Epoxy coating, with a spray gun, brush, or roller. Apply a minimum of two coats.
 - **Surface preparation:** It is essential that **MC-Floor 1022** is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate. Because **MC-Floor 1022** is a relatively thin coating, the substrate must be fine textured. Any surface irregularities may show through causing excessive wear on high spots and changing the perceived colour of the coating.
 - **New concrete floors:** These should normally have been placed for at least 28 days and have a moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed using grinding or sandblasting/sandblasting methods. Dust and other debris should then be removed by vacuum cleaning.
 - **Old concrete floors:** A sound, clean substrate is essential to achieve maximum adhesion. Remove laitance by light mechanical scabbling, grinding or grit/captive blasting. Oil and grease penetration should be removed by the use of a proprietary chemical degreaser or by hot compressed air treatment.
 - **Epoxy flooring:** **MC-Floor 1022** can be applied to MC epoxy resin flooring. Any raised edges or fly marks must be scrubbed clean of dust, and other debris must be removed by vacuuming.
 - **Mixing:** The two main components of **MC-Floor 1022**, the base component and the hardener, must be stirred separately before mixing. Then, the entire hardener portion must be poured into the container of base component, and the mixture thoroughly stirred for at least 3 minutes.
 - Mixing should be done using a high-powered, slow-speed, explosion-proof or pneumatic mixer with a specialized impeller to ensure efficiency. Mix according to the manufacturer's packaging ratio, and ensure all remaining material is removed from the containers. No diluent solvents should be added during mixing.
 - **Application:** **MC-Floor 1022** should be applied to prepared surface using airless spray, brush or lambswool roller. Ensure that the area is completely coated and 'ponding' of the material does not occur.

- **Maintenance:** The service life of a floor can be considerably extended by good housekeeping practices. Regular cleaning of **MC-Floor 1022** may be carried out using a rotary scrubbing machine with a water miscible cleaning agent or by hot water washing at temperatures up to 50°C.
- **Cleaning:** **MC-Floor 1022** should be removed from tools and equipment with MC-Thinner EP immediately after use. Hardened material can only be removed mechanically.
- **Remarks:**
 - Do not apply **MC-Floor 1022** to surfaces showing signs of or at risk of reverse moisture absorption.
 - Do not apply **MC-Floor 1022** to asphalt floors, PVC tiles, or PVC underlayment.
 - Like all other epoxy materials, **MC-Floor 1022** may experience slight color changes over time if exposed to harsh environmental conditions. However, this color change does not affect the product's protective performance.
 - Do not apply **MC-Floor 1022** when the ambient temperature is below 5°C or the air humidity is above 85%.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing Ratio	By weight	4 : 1	Base : Hardener
Density (Mixture)	g/cm ³	1.2 - 1.4	Depending on the color
Coverage (*)	kg/m ² /coat	~ 0.135	
Drying Time:			
• Touch dry	Giờ	~2	At 25°C
• Lightly dry		~24	
• Fully dry		~96	

(*) Coverage is theoretical only. Actual coverage may be lower due to material loss and the characteristics of each surface.

PRODUCT CHARACTERISTICS:

Packaging	MC-Floor 1022: 22.5 kg/set; MC-EP Primer: 17.5 kg/set; MC-Thinner EP: 5 L/can.
Colour	Available in blue and gray; other colors are available upon request.
Shelf-life & Storage	MC-Floor 1022 and MC-Thinner EP have a shelf life of 12 months if stored in their original, unopened packaging in a dry place at a temperature between 5°C and 30°C. All products must be stored in accordance with local regulations.
Precautions Health and safety	MC-Floor 1022 , MC-EP Primer S, and MC-Thinner EP should not come into direct contact with skin, eyes, or be swallowed. Apply in a well-ventilated area and avoid inhaling solvent vapors. Some people may be sensitive to resins, curing agents, or solvents. Always wear protective clothing, gloves, and safety glasses. If working in enclosed spaces, use appropriate fume filters. A skin protective cream should be used for enhanced safety during application. In case of contact: - If skin contact occurs: Wash immediately with clean water and soap. Do not use solvents. - If eye contact occurs: Rinse eyes immediately with plenty of clean water and seek medical attention. - If swallowed: Do not induce vomiting; go to the hospital immediately.
Fire	MC-Floor 1022 and MC-Thinner EP are flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO ₂ or foam. Do not use a water jet.
Disposal	Spillages of component products should be absorbed onto earth, sand or other inert material and transferred to a suitable vessel. Empty packaging should be in accordance with local waste disposal authority regulations.

Safety Advice: Please take notice of the safety information and advice given on the packaging labels and safety information sheet.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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