

# MC-Floor 1011

High performance two-component water-based Epoxy floor coating.

- PRODUCT PROPERTIES:**
- High-quality, two-component, water-dispersed modified amine epoxy floor coating.
  - Forms a hard, abrasion-resistant coating with an aesthetically pleasing satin-matt finish.
  - Excellent adhesion to dry or slightly damp mineral substrates (cement-based).
  - Resistant to water, diluted acids, alkaline solutions, as well as a wide range of organic chemicals.

- AREAS OF APPLICATION:**
- Decorative and protective coating for mineral (cement-based) substrates exposed to mechanical and chemical stresses.
  - Suitable for areas subjected to light to medium mechanical loads.
  - Recommended for use in manufacturing plants, canteens, electronics and pharmaceutical industries, as well as office buildings and similar facilities.

- INSTRUCTION OF USE:**
- **Primer:** Concrete substrates must be primed with **MC-EP Primer W**. The primer should be evenly applied using a rubber squeegee and/or a short-pile roller. The use of a transparent primer coat is recommended to optimise adhesion and surface appearance.
  - **Application:**
    - After the primer has fully dried (waiting time approx. 12 – 48 hours), apply **MC-Floor 1011** with a short-pile roller in crosswise directions, ensuring a streak-free finish and adherence to the specified consumption rate.
    - Typically, two coats are needed to achieve color uniformity and optimal results. The waiting time between the two coats is a minimum of 12 hours and a maximum of 48 hours.
    - Coatings must be applied continuously, efficiently and without forming overlaps or joints.
    - To ensure optimal drying: Minimum surface and air temperature: 10°C and permissible relative humidity: maximum 85%.
  - **General information:**
    - Consumption rate, application time, resistance to foot traffic and time to full cure depend on temperature, environmental conditions and the condition of the substrate on site.
    - To ensure colour consistency between different production batches, the instructions in the technical documentation must be observed.
    - Exposure to chemicals and UV radiation may lead to colour changes over time; however, this does not generally affect the performance or usability of the coating.
    - Surfaces exposed to mechanical and chemical stresses are subject to wear during service. Regular inspections and routine maintenance are recommended.

## TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing ratio (by weight)		3 : 8	Base : Hardener
Density	g/cm <sup>3</sup>	~ 1.3 – 1.4	Depending on colour
Viscosity	mPa·s	~ 1.500	At 20°C and 50% RH
Working time	minutes	~ 30	At 20°C and 50% RH
Touch dry	hours	~ 12	At 20°C and 50% RH
Full cure	days	7	At 20°C and 50% RH
Application conditions	°C	≥ 8 – ≤ 30	Air and substrate temperature
	%	≤ 85	Relative humidity
	K	3	Substrate temperature above dew point
Consumption	kg/m <sup>2</sup>	~ 0.15 – 0.3	Per coat

\* Technical values determined under standard laboratory conditions (21°C ± 2°C, 50% RH).  
The coverage is theoretical and may vary due to a variety of site conditions.

## PRODUCT CHARACTERISTICS:

<b>Cleaning agent</b>	Water.
<b>Colours</b>	Grey, blue, red, yellow, green, etc. Custom colours available upon request; however, some dark shades may not be suitable for industrial flooring applications. Please contact MC-BIFI for further advice.
<b>Packaging</b>	19.25kg / set.
<b>Shelf life &amp; Storage</b>	Can be stored for 12 months in unopened original packaging under cool (below 20°C) and dry conditions. Protect from frost.
<b>Disposal</b>	Ensure that single-use containers are completely emptied before disposal, in accordance with local 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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