



Emcephob WM

Ready-to-use hydrophobic agent

Product Properties

- Based on a water-based polysiloxane
- Non film-forming
- Reduces the water absorption
- Increases the resistance against frost and de-icing salts
- Application by roller, flow coating or airless spraying
- Suitable for use in spray- and splash zones of de-icing salts
- Penetration depth according to EN 1504 part 2, class I
- Can be overcoated with MC-Color Proof pure, MC-Color Proof pro, MC-Color Proof vision, MC-Color Flair pure, MC-Color Flair pro and MC-Color Flair vision
- Tested and approved as OS 1 and OS 2 surface protection system
- Does not provide a lotus effect

Areas of Application

- Hydrophobic impregnation for alkaline, cement-bound surfaces, e.g. concrete, rendering, sand-lime brick
- Hydrophobic impregnation for concrete repair mortars
- In combination with coating materials as preventive concrete protection
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Certified according to EN 1504 part 2 for principles 1, 2 and 8; procedures 1.1, 2.1 and 8.1

Application

Substrate Preparation

The substrate must be clean and free from all loose particles, dust, oil and other contaminants.

The substrate must be absorptive to allow the hydrophobic agent to penetrate. Water-saturated or wet substrates should not be hydrophobised, as the hydrophobic agent will not be able to penetrate the material.

For clinker and brick walls or natural stone, please ask for our assistance.

Application

Emcephob WM is a low-viscosity, water-based solution and must be mixed thoroughly before application. The product may be applied by roller, flooding or airless-spraying. To reduce dip shading/runners (flooding-method) on vertical areas, you should work from bottom to top.

Emcephob WM must be applied until the substrate is saturated.

If a second layer should be required for certain circumstances, it must be applied fresh-in-fresh.

Green concrete should be at least 4 - 6 weeks old before it is overcoated.

General Information

Emcephob WM must not be applied onto steel, galvanized surfaces, polymers, non-ferrous metal and bituminous surfaces. Suitable protective measures are to be provided. Hydrophobic impregnation is generally used in the course of protection and repair measures, e.g. to improve the resistance against frost and de-icing salts.

As the effectiveness as stand-alone measure (OS 1) is temporary, hydrophobizing should be renewed in regular intervals.



Technical Data for Emcephob WM

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	0.98	
Active ingredient content	mass- %	22.9	
Coverage**	ml/m ²	70 - 150	
Penetration depth	mm	< 10	class I according to EN 1504-2
Rain proof	hours	approx. 4	
Waiting time until overcoating	hours	≥ 6 to ≤ 48	
Application conditions	°C % K	≥ 8 - ≤ 25 ≤ 85 3	air, material and substrate temperature relative humidity above dew point

Product Characteristics for Emcephob WM

Delivery	10 and 30 l canisters
Storage	Can be stored for at least 12 months in original unopened packs. Keep dry and cool and protect from frost.
Disposal	Packs must be emptied completely.

* All figures have been determined in the lab at 23 °C and 50 % relative humidity

** The coverage rates depend on the roughness, the absorbency and the kind of substrate. To determine the object-specific coverage, we advise preparing a sample area.

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.

Edition 10/18. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.