

Emcephob W-SX

Ready-to-use, water-based hydrophobic agent for facades

Product Properties

- Binder-base silane/siloxane
- Reduces water absorption
- Increases resistance to frost
- Applicable by roller, flooding or spraying
- No film-formation
- Tested in compliance with WTA-information sheet 1-84
- Certified according to EN 1504 part 2

Areas of Application

- Hydrophobic impregnation for neutral substrates, e.g. clinker and natural stone
- Hydrophobic impregnation for sand-lime brick and bricks
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Principle 1, 2 and 8; procedure 1.1, 2.1 and 8.1 (EN 1504-9)

Application

Substrate Preparation

The substrate must be clean and free from all loose particles, dust, oil and other contaminants. The required surface tensile strength must be in compliance with technical regulations. The substrate must be absorbent. Water-saturated or wet substrates should not be hydrophobised, as the hydrophobic agent will not be able to penetrate the material.

Application

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

Emcephob W-SX must be applied until the substrate is saturated. Several “wet-in-wet” applications improve the penetration depth and the water-proofing properties.

General Information

Hydrophobic impregnation is generally used in the course of protection- and repair-measures, e.g. to improve the long-term adhesion of film-forming coatings to the substrate. As an independent measure it reduces the capillary absorption of water, however this effect is only temporary. Hydrophobic impregnation should therefore be renewed at certain intervals.

Emcephob W-SX creates a visible drip-off effect.

Technical Data for Emcephob W-SX

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	1.00	
Coverage**	ml/m ²	200 - 400	depending on substrate
Rain proof	hours	approx. 4	
Reduction of water absorption			results test report M 8986
Requirement	%	70	WTA-info sheet 1-84
On sand-lime brick	%	94	single treatment
	%	96.7	double treatment
On bricks	%	81.5	single treatment
	%	82.8	double treatment
Application Conditions	°C	≥ 8 - ≤ 30	air, material and substrate temperature
	%	≤ 85	relative humidity
	K	3	above dew point

Product Characteristics for Emcephob W-SX

Delivery	10 and 30 l canisters
Storage	Can be stored for at least 6 months in original unopened packs. Keep dry and cool and protect from frost.
Disposal	Packs must be emptied completely.

* All figures have been determined 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 07/09. 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.