

Emcephob SN

Non-visible, water-repellent and solvent-based hydrophobic agent

Product Properties

- Ready-to-use hydrophobic agent based on a siloxane
- Non film-forming, colorless and invisible
- Reduces water absorption
- Good penetration capacity
- Effective even on damp surfaces
- Tack-free drying
- Rapid development of hydrophobia
- Reduces efflorescence and soiling on facades
- Improves frost and de-icing salt resistance
- High resistance to alkalis
- Brushable and sprayable
- Solvent containing
- Can be applied in at least two work steps

Areas of Application

- For the hydrophobic treatment of alkaline, cement-bound surfaces, such as concrete, aerated concrete, sand-lime brick, cement fiber boards
- For hydrophobizing young concrete in the precast plant
- For water-repellent treatment of concrete cosmetic fillers
- For the hydrophobic treatment of clay products and roof tiles
- For hydrophobicity of mineral plasters and natural stones (preliminary tests required!)

Application Notes

On a young concrete, Emcephob SN reacts with the air humidity or with the pore water of the substrate. The resulting substance greatly reduces the absorption capacity of the concrete in the area of the penetration depth, but without blocking the pores and capillaries. Concrete hydrophobized with Emcephob SN has a very high water vapor permeability.

Substrate Preparation

The substrate must be clean, solid, load-bearing and free from materials that would reduce adhesion. Slightly damp substrates do not impair adhesion, but there should not be any superficial wetness. However, the penetration depth is considerably greater on dry substrates.

Before starting work, cover surfaces which are not to be hydrophobic, especially windows and doors. Remove any splashes immediately, e.g. using MC-Reinigungsmittel U.

Application

Emcephob SN is applied undiluted in a flood process, preferably without pressure and in at least two work steps.

No long waiting times are required between the work steps. The next coat should be applied fresh in fresh, but when the hydrophobic agent has been absorbed and the surface is no longer shiny and looks dry.

The application is carried out crosswise. On vertical surfaces, Emcephob SN should be applied from bottom to top in vertical direction and then crosswise in horizontal direction.

Surfaces treated with Emcephob SN cannot be recoated with other coatings due to their hydrophobicity.

Further Information

Protect surfaces that have been treated with Emcephob SN from being washed out by direct rain. The protection period is 2 days.

Emcephob SN is a temporary concrete protection, i.e. its effectiveness decreases due to weathering. It is therefore recommended to renew the layer if the water absorption increases significantly. Repeated treatment is recommended after 5 years at the latest.



Technical Data for Emcephob SN

Characteristic	Unit	Value	Comments
Flashpoint	°C	44	
Density	g/cm ³	approx. 0.75	
Consumption	ml/m ²	100 - 150	per application layer
Penetration depth	mm	< 10	class I according to EN 1504-2
Processing Temperature	°C	≥ 8 - ≤ 35	air / substrate / material temperature
Drying Time	hours	approx. 1	at +20 °C

Product Characteristics for Emcephob SN

Internal Production Supervision in accordance with DIN EN ISO 9001	
Base	siloxane
Colour	transparent
Storage	Can be stored under dry and frost-free conditions for at least 12 months.
Form of Delivery	10 l canisters 25 l canisters; 1 pallet (24 canisters with 25 l) 200 l barrels
Disposal	To protect our environment please empty the packs completely.

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Safety advice

Please take notice of the safety information and advice given on the packaging labels, Safety Information Sheets and General Application Advice. Water hazard class: 1

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 10/20. 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.