

# Emcephob SN

Solvent-containing 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 ADVICE

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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	approx. 0.75	
Application conditions	°C	≥ 8 ≤ 35	
Consumption	ml/m <sup>2</sup>	100 - 150	per working process and according to substrate condition
Penetration depth	mm	< 10	grade I per EN 1504-2
Drying time	hours	approx. 1	at 20° C
Flash point	°C	44	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Delivery form	10 l canister(s) 25 l canister(s) 200 l drum		
Base	siloxane		
Colour	transparent		
Self-monitoring	EN ISO 9001		
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.		
Packaging disposal	Make sure single-use containers are completely empty.		

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018353]