

HEMULSIL SPW

Water repellent Alkyl alkoxy silane monomer in water emulsion

CHEMICAL-PHYSICAL CHARACTERISTICS

Colour:	milk-white
Volatile organic compounds (VOC):	< 150 g/l
Ph:	6-8
Density:	1,00 g/cm ³
Solubility:	Soluble in water

GENERAL CHARACTERISTICS AND ADVANTAGES

HEMULSIL SPW contains alkyl alkoxy silane monomer as an active substance in water emulsion.

For use, it can be diluted in water to the various desired concentrations, or used as an additive in water emulsion formulations which need a marked water-repellent effect.

HEMULSIL SPW is a protective agent with a low content of volatile organic compounds and it is used to impregnate water-repellent absorbent mineral building materials with medium/high silica content.

It is a water-based product that requires no special qualifications for use.

In summary, the main characteristics are:

- extremely effective water repellent, breathable, permeable to water vapour
- long-term water-repellent effect
- effective against chlorides
- no formation of surface silicone film
- high penetration into the treated substrate

USE CONCENTRATIONS

HEMULSIL SPW is generally used at a concentration ranging from 5% to 30% in term of the results to be achieved. The quantity of solution required per square metre of substrate depends on the category of material to be treated and the desired depth of penetration; generally for medium/high porosity materials the consumption ranges are from 0.3 to 0.6 litres/m².

It is necessary to carry out preliminary tests to determine the exact quantity.

TREATABLE MATERIALS

HEMULSIL SPW è is a hydrophobising agent ideal for treating the following materials:

mineral plasters, bricks, sandstone, concrete blocks, insulating mineral materials, cement mixtures in general.

INSTRUCTIONS FOR USE

HEMULSIL SPW must be applied on a dry and clean substrate to ensure a deep penetration of the water repellent. It is a water emulsion product and therefore it cannot be used at sub-zero temperatures; the ideal temperature for use is from 5 to 30°C.

The application must be carried out until saturation with low-pressure sprayers.

It can also be applied by brush as long as the quantity of product is sufficient to impregnate the substrate. In principle, it can be applied with all the equipment and systems suitable for the application of liquids, as long as the protective agent is not sprayed.

Additional coats must be applied wet on wet; once the reaction has taken place no further protection can be applied. Under high temperatures and in the presence of highly alkaline substrates the reaction takes place in a few minutes.

Non-absorbent substrates cannot be treated. The plants must be protected against contact with the water repellent agent.

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			Date	23/01/19
	Page	1/2	MD 7.5.1.01	

HEMULSIL SPW reacts with the capillary surface of the mineral substrate and forms an invisible water-repellent barrier against the water penetration leaving at the same time an unaffected water vapour permeability.

Preliminary tests on the substrate are always recommended to ensure that there are no undesirable colour variations.

SAFETY REGULATIONS

See the specific safety data sheet.

STORAGE

Minimum guaranteed stability 12 months in original sealed containers. Avoid storage at temperatures above 38°C and below 0°C.

PACKAGING

25 kg tank, 200 kg drum, 985 kg ibc

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		Date	23/01/19
		Page	2/2
		MD 7.5.1.01	