

## PRODUCT DATA SHEET

# Sikagard®-710 W

## Siloxane-Based Hydrophobic Impregnation (Water Repellent)

### DESCRIPTION

Sikagard®-710 W is a one part water repellent hydrophobic impregnation for absorbent cementitious and other mineral substrates. It penetrates well into the open pores of the substrate, providing durable water repellency, while still allowing water vapour diffusion in both directions.

Sikagard®-710 W complies with the requirements of EN1504-2 for hydrophobic Impregnation (penetration depth class I).

### USES

Sikagard®-710 W is used as water repellent and colourless protective surface treatment on absorbent exposed materials such as concrete, cementitious rendering, concrete tiles, fibre cement, brickwork (clay and lime sand, non-vitrified), natural stone.

Sikagard®-710 W is used as water-repellent impregnation (hydrophobic treatment) for absorbent substrates such as on concrete surfaces in civil engineering applications, including bridges and other infrastructure structures or building concrete structures.

- Suitable for protection against ingress (Principle 1, method 1.1 of EN 1504-9),
- Suitable for moisture control (Principle 2, method 2.1 of EN 1504-9)
- Suitable for increasing the resistivity (Principle 8, method 8.1 of EN 1504-9)

### FEATURES

- Reduction of capillary water absorption.
- Reduces efflorescence.
- Reduces dirt penetration into the pores.
- Reduces the growth of mould and fungi.
- Water-based formulation with no strong odor and free from solvent.
- Hydrophobic impregnation without film formation.
- Does usually not change appearance of the substrate.
- Reduces chloride ion ingress and movement.
- Does not act as a vapour barrier.

### PRODUCT INFORMATION

Packaging	5 kg (plastic gallon) and 20 kg (pail)
Appearance and colour	Milky white liquid.
Shelf life	12 months from date of production if stored in unopened, undamaged and original sealed packaging.
Storage conditions	Store in dry and cool conditions. Protect from moisture and direct sunlight.
Density	1.10 kg/l

## TECHNICAL INFORMATION

Consumption	~ 0.10–0.15 kg/m <sup>2</sup> per coat for normally absorbent substrate. In order to ensure durability, a minimum of 2 coats must be applied. (Apply the second coat while the first coat is still wet).
Ambient air temperature	+5 °C min. / +30 °C max.
Substrate temperature	+5 °C min. / +30 °C max.
Surface moisture content	<6% when measured with Tramex method.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

Minimum age of concrete or mortar: at least 4 weeks.  
Cannot be overcoated with limewash or cement paint.  
Sikagard®-710 W is not intended for waterproofing under hydrostatic pressure, in permanent contact with water.

Sikagard®-710 W is not intended to seal visible cracks from moisture ingress.

In case of any excess or residual material remaining on the surface, wipe it off with a dry cloth before it dries completely.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## MIXING

Sikagard®-710 W is supplied ready for use and should not be thinned.

## APPLICATION

Sikagard®-710 W is applied using low pressure spray, brush or roller, working from bottom up taking care not to let the product run. Apply subsequent coats “wet on wet”.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with clean water after use.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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#### Sikagard®-710 W

July 2025, Version 01.01  
020303210000243213

Sikagard-710W-en-TH-(07-2025)-1-1.pdf