

PRODUCT DATA SHEET

Sikagard®-700 S ID

IMPREGNATION FOR CONCRETE AND MASONRY

DESCRIPTION

Sikagard®-700 S ID is a single-pack solvent-containing impregnation based on Siloxane with good penetrative properties. It is water repellent (hydrophobic).

USES

Sikagard®-700 S ID is used as water repellent and 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®-700 S ID can also be used as hydrophobic primer under solvent based or emulsion protective coating.

Sikagard®-700 S ID is used as water-repellent impregnation (hydrophobic treatment) for absorbent substrates such as concrete in civil engineering or building concrete structures.

CHARACTERISTICS / ADVANTAGES

- Reduction of capillary water absorption.
- Reduces efflorescence.
- Reduces dirt penetration into the pores.
- Can be overcoated with solvent based and dispersion coating.
- Does usually not change the appearance of the substrate.
- Does not act as a vapour barrier.

PRODUCT INFORMATION

Composition	Siloxanes blend in organic solvent.
Packaging	15 L can.
Appearance / Colour	Liquid / Slightly yellowish
Shelf life	12 months from date of production.
Storage conditions	Store in original, unopened and undamaged sealed containers, in dry conditions at temperatures between +5 °C and +25 °C. Protect from moisture.
Density	~ 0.700 kg/L (at +20 °C)

SYSTEMS

System Structure	1 – 2 x Sikagard®-700 S ID.
-------------------------	-----------------------------

APPLICATION INFORMATION

Consumption	~0.2 kg/m ² per coat for normally absorbent substrate and depend on substrate porosity. In order to ensure durability, a minimum of 2 coats must be applied.
Ambient Air Temperature	+5 °C min. / +30 °C max.
Substrate Temperature	+5 °C min. / +30 °C max.
Substrate Moisture Content	< 5 - 6% when measured with Tramex method
Curing Treatment	Sikagard®-700 S ID does not require any special curing but must be protected from rain for at least 3 hours at +20 °C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Free of dust, oil, efflorescence and existing paint coatings.
- Cleaning is best achieved by brushing with suitable detergents or by light blast cleaning or steam cleaning etc.
- Cracks in concrete of more than 200 µm must be repaired prior to application of the hydrophobic treatment. Cracks must be carefully filled and leveled up.
- Best results are obtained on dry, very absorbent substrates, although Sikagard®-700 S ID can also be successfully employed on a slightly damp surface. The substrate must look dry with no damp patches.
- Areas such as window frames, window panels etc which are to receive a protective coating, must be masked before the application of Sikagard®-700 S ID.

MIXING

Sikagard®-700 S ID is supplied ready for use and should not be thinned.

APPLICATION

Sikagard®-700 S ID 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 white spirit immediately after use.
Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Minimum age of concrete or mortar: at least 4 weeks.
- Cannot be overcoated with limewash or cement paint.
- If there are strict aesthetic requirements (often when used on natural stone), it is recommended to perform preliminary tests as on some stones a slight darkening of the surfaces may result.
- Sikagard®-700 S ID is not intended for waterproofing under hydrostatic pressure, in permanent contact with water, or for below grade waterproofing.
- Sikagard®-700 S ID is not intended to seal visible cracks from moisture ingress.
- Building components not to be coated (e.g. aluminium frames, windows etc.) need to be protected from contact with Sikagard®-700 S ID. In case of splashes, clean immediately using an additional solvent if necessary.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

PT. Sika Indonesia Head Office and

Jl. Raya Cibinong-Bekasi Km.20
Limusnunggal-Cileungsi
Bogor 16820-Indonesia
Tel. +62 21 8230025, Fax +62 21 8230026
Web: idn.sika.com
Email: sikacare@id.sika.com



Product Data Sheet
Sikagard®-700 S ID
March 2019, Version 01.01
020405030030000048

Sikagard-700SID-en-ID-(03-2019)-1-1.pdf