

Sikagard®-705 L

Silane Based Reactive Water Repellent Impregnation

Product Description

Sikagard®-705 L is a one part low viscosity, solvent free, reactive impregnation for concrete and cementitious substrates based on silane with 99% active ingredient. Suitable for hot and tropical climates

Uses

Sikagard®-705 L is used as a water repellent impregnation (Hydrophobic agent) for concrete, mortar etc.

Characteristics / Advantages

- Excellent penetration
- Economic and easy to use
- Reduces capillary water absorption, protection against driving rain and splashing on vertical areas
- Reduces absorption of water borne contaminants such as de-icing salts and chlorides etc.
- No change in water vapour permeability
- Ready to use

Tests

Approvals / Standards

Conforms to the requirements of LPM: Suitability test to SIA 162/5, Report No. 1-21'699-6.

Product Data

Form Liquid

Colour Colourless

Packaging 20 kg pail, other sizes can be made available on request.

Storage Store in unopened, undamaged and original sealed packaging in a dry, cool environment between 5°C and 25°C. Protect from heat and direct sunlight.

Storage Conditions / Shelf Life 12 months minimum from date of production if stored properly in original unopened packaging.

Technical Data

Chemical Base Silane (99% active ingredient)

Density (at 20°C) Approximately 0.90 kg/lt

System Information

System Structure 2 - 3 coats applied "wet on wet"



Application Details

Consumption	Approximately 150 g/m ² per coat depending on the absorbency of the substrate and the required penetration depth.
Substrate Quality	Free of dust, dirt, oil, efflorescence and existing paint coatings. Cracks in concrete of more than 200 microns must be repaired first prior to carrying out the hydrophobic treatment.
Substrate Preparation	Surface cleaning is best done with suitable detergents or by light blast cleaning, steam cleaning etc. Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.

Application Conditions / Limitations

Substrate Temperature	+5°C min. / +30°C max.
Ambient Temperature	+5°C min. / +30°C max.
Substrate Humidity	5% max.

Application Instructions

Mixing	Sikagard®-705 L is supplied ready for use and must not be diluted.
Application Method / Tools	Sikagard®-705 L is applied using a low-pressure spray, brush or roller, in a single pass from top to bottom taking care not to let the product run. Apply subsequent coats wet on wet. Avoid ponding on the surface.
Cleaning of Tools	Clean all tools and application equipment with Colma Cleaner immediately after use. Hardened / cured material can only be mechanically removed.
Overcoatability	Can be overcoated with water and solvent based polymer paint - contact the proposed paint manufacturer for recommendations. Sikagard®-705 L can be used as a water based primer under many Sikagard® protective coatings. Penetration of water is thus prevented at possible weak spots or in the event of damage to the top coat and the risk of consequential damages such as paint flaking can be reduced. Waiting time: minimum 5 hours, maximum 1 week.
Notes on Application / Limitations	Minimum age of concrete or mortar: at least 4 weeks. Areas such as window frames which still need to be painted, must be securely covered to avoid contact with Sikagard®-705 L . Areas not to be impregnated such as window panes, need to be protected from being accidentally contaminated with Sikagard®-705 L . Sikagard®-705 L can damage some coatings and bituminous products. Sikagard®-705 L can lead to darkening of concrete, apply sample areas first. Cannot be overcoated with limewash or cement paint. The water repellent effect is reduced on horizontal surfaces.

Curing Details

Curing Treatment	Sikagard®-705 L does not require any special curing but must be protected from rain for at least 3 hours at +20°C.
Notes	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.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet 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.



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