

PRODUCT DATA SHEET

Sikagard®-703 W

Sikagard®-703 W is a liquid, ready for use, silane/siloxane based impregnation.

DESCRIPTION

Sikagard®-703 W is an emulsion, ready for use, silane / siloxane combination based, water repellent impregnation.

USES

For making facades water repellent and protecting building against water ingress. Sikagard®-703 W can be applied on mortar, masonry, brick, stone, asbestos cement.

CHARACTERISTICS / ADVANTAGES

- Strong water repellent capability.
- Allows the substrate to breathe (vapour permeable).
- Treatment is usually invisible not changing the substrate aspect.
- Due to the reduction of water absorption, it improves the resistance of facades to stain and dirt pick and helps the reduction of moss and lichen growth.
- Can be over coated with suitable paints and coatings.
- Ready to use.
- Water based environmental friendly.

PRODUCT INFORMATION

Chemical Base	Silane / siloxane combination
Packaging	1 kg or 4 kg or 20 kg/pail
Appearance / Colour	Whitish 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.
Density	~ 1.0 kg/litre (at +20 °C)

TECHNICAL INFORMATION

Permeability to Water Vapour

	Substrate	Substrate with Sikagard®-703 W	Sikagard®-703 W alone
Equivalent air thickness - S_d (m)	0.36	0.36	0.003

(EN ISO 12572)

Capillary Absorption

	Substrate	Substrate with Sikagard®-703 W
Water absorption coefficient after 24 hours A_w , 24 [kg/m ² s ^{0.5}]	0.046	0.021

(EN ISO 15148)

APPLICATION INFORMATION**Consumption**

Dependent on substrate porosity:
On mortar: ~ 150–200 g/m²
On other porous materials: ~ 300–500 g/m²
(A test is necessary to determine the exact consumption).

Ambient Air Temperature

+5 °C min. / +35 °C max.

Substrate Temperature

+5 °C min. / +35 °C max.

Waiting Time / Overcoating

Can be overcoated with water and solvent based polymer paints - contact the paint manufacturer for details.
For overcoating with Sikagard®, SikaColor® Emulsion or solvent based coating, wait at least 5 hours after the hydrophobic impregnation.

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.

LIMITATIONS

- Cement based substrates must be at least seven days old.
- Protect glass surfaces and aluminium frames (possibility of surface damage / staining).
- Test on a sample surface before use.
- Cannot be overcoated with limewash or cementitious coatings.
- On all substrates, the optimum water repellent capability is achieved after a few days.
- Water repellency is significantly reduced if the substrate is cracked.
- Refer to the method statement for detailed application procedure.

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 (MSDS) containing physical, ecological, toxicological and other safety-related data.

VOC DATA

VOC content (ready to use) = 84 g/L

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Clean, sound, free of dust, dirt, oils and grease, efflorescence and old paint coatings etc.
Cracks of more than 300 µm must be repaired first prior to carry out the hydrophobic treatment.
Cleaning should be done with suitable detergent or by light steam or blast cleaning.
Best results are obtained on dry, very absorbent substrates – allow enough time for the substrate to dry out after surface preparation.
The substrate must look dry with no damp patches.

APPLICATION

Sikagard®-703 W is applied with a conventional low pressure spray, brush or roller, in various passes wet on wet from bottom up taking care not to let the product run until saturation of the substrate is reached.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.
Cured material can only be removed mechanically.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



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