

## PRODUCT DATA SHEET

## Sikagard®-703 W

## Water repellent impregnation for building facade

## 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.

## FEATURES

- 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.

## CERTIFICATES AND TEST REPORTS

- PV Véritas No. 1108203/2A & 2B, ageing, water vapour permeability, water absorption.
- Belgian Building Research Institute - Determination of the water vapour resistance and the water absorption coefficient of a liquid hydrophobic product applied on a masonry clay unit. Report No DE 621X8570, LMA 5631, dated 16/12/2014

## PRODUCT INFORMATION

Composition	Silane / siloxane combination.
Packaging	2 and 5 l cans, 20 l pails. Please contact our customer service, for information of what packaging sizes are sold in Denmark.
Appearance and colour	Whitish liquid.
Shelf life	24 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/l (at +20 °C)

## TECHNICAL INFORMATION

Permeability to water vapour	Substrate	Substrate with Sikagard®-703 W	Sikagard®-703 W alone	(EN ISO 12572)
Equivalent air thickness - $S_d$ (m)	0.36	0.36	0.003	

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Capillary absorption	Substrate	Substrate with Sikagard®-703 W	(EN ISO 15148)
Water absorption coefficient after 24 hours $A_w$ , 24 [kg/m <sup>2</sup> s <sup>0.5</sup> ]	0.046	0.021	

## APPLICATION INFORMATION

Consumption	Dependent on substrate porosity: On mortar: ~ 150–200 g/m <sup>2</sup> On other porous materials: ~ 300–500 g/m <sup>2</sup> (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 to 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.

## IMPORTANT CONSIDERATIONS

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

# 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 EQUIPMENT

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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## PRODUCT DATA SHEET

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