BUILDING TRUST

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.
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 (DIN EN ISO 12572)

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

Capillary absorption

	Substrate	Substrate with Sikagard®-703 W
Water absorption coefficient after 24 hours Aw, 24 [kg/m²s$^{0.5}$]	0.046	0.021

APPLICATION INFORMATION

Consumption	Dependent on substrate porosity:On mortar: ~ 150–200 g/m²On 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 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.
Curing treatment	Sikagard®-703 W does not require special curing but must be protected from rain for at least 3 hours at +20 °C.

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.

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

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.

CURING TREATMENT

Sikagard®-703 W does not require special curing but must be protected from rain for at least 3 hours at +20 °C.

CLEANING OF EQUIPMENT

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

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 exact product data and uses.

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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