

Sikagard[®]-703W

Water-repellent impregnation for building facades (water based)

Positioning

Description	Sikagard-703W is a liquid, ready-to-use, silane/siloxane based impregnation.
Uses	Sikagard-703W is used as a water-repellent impregnation on concrete, mortar, brick, stone, and asbestos-cement façades.
Advantages	<ul style="list-style-type: none">• Water-repellent. Improves the façade's resistance to the ingress of surface water• Water-based• Substrate is still able to breathe• Appearance of the treated surface is unchanged• Improves the resistance to dirt, and reduces the growth of fungi and lichen• Does not modify the substrate porosity• Can be over-coated with various paints
Approvals/Standards	PV Veritas No. 1108203/2A & 2B, ageing, water vapour permeability, water absorption.

Product Data

Storage & Shelf Life:	Twelve (12) months from date of production when stored in undamaged original sealed containers, in dry conditions protected from frost, at temperatures between +5°C and +40°C.
Packaging:	1, 5 and 20 litre jerry cans.

Technical Data

Chemical basis:	Silane / siloxane
Appearance / colour:	Whitish liquid
Density:	Approx. 1.0 kg/litre at 20°C
pH:	7 – 10
Application temperature:	Min. +5°C, Max. +35°C (substrate and ambient temperatures)
Consumption:	Depends on substrate quality and porosity. (A preliminary test is required to determine the exact consumption.): On concrete and mortar: 150-200 g/m ² (5-6.5 m ² /litre) On porous material: 300-500 g/m ² (2-3.3 m ² /litre)

Application Conditions

Surface Preparation	<ul style="list-style-type: none">• All cement based substrates (mortar, concrete, etc) must be at least 7 days old.• The surface must be clean, sound, and free of dust, dirt, oil, grease, efflorescence, paint coatings, lichen and fungi.• Cleaning is best done with suitable detergent, or by light sand blasting or steam cleaning.• Protect glass surfaces and aluminium frames (due to the possibility of surface damage/staining). (Cured material can only be removed mechanically.)• Repair any cracks that are more than 200 microns wide.• Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.
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Application	<ul style="list-style-type: none"> Sikagard-703W can be applied using a low-pressure spray gun, brush or roller. Apply in a single layer from top to bottom taking care not to let the product run.
Curing	Sikagard-703W does not require curing but must be protected from rain for at least 3 hours (at 20°C).
Cleaning of Tools	Clean all tools and application equipment with tap water immediately after use. Cured material can only be removed mechanically.
Overcoating	<ul style="list-style-type: none"> Can be overcoated with water/solvent based paint. Contact the paint manufacturer for details. Wait at least 5 hours before applying the paint. Sikagard-703W cannot be overcoated with limewash, cement paint, or cement-based plasters.
Important Notes	<ul style="list-style-type: none"> On any substrate, the optimum water-repellency effect is reached after a few days. Water-repellency is reduced significantly when the substrate is heavily cracked. Sikagard-703W is not effective as a water-repellent on horizontal surfaces. In New Zealand, due to the porous nature of our concrete masonry, Sikagard-703W cannot be used as the primary waterproofing of masonry surfaces. All technical data stated in this Product Data Sheet is based on laboratory tests. Actual performance may vary due to actual application conditions. In liquid state, Sikagard-703W will contaminate water, and must not be allowed to get into drains or waterways. Residues of material must be removed according to local regulations. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
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.
Safety Instructions	
Protective Measures	<ul style="list-style-type: none"> To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. Local regulations as well as health and safety advice on packaging labels must be observed. For further information refer to the Sika Material Safety Data Sheet which is available on request. If in doubt always follow the directions given on the pack or label.
Important Notes	<ul style="list-style-type: none"> Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
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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