

Product Data Sheet
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Sikagard®-703 W

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Water repellent impregnation for building facades

Product 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 etc.

Characteristics / Advantages

- n Strong water repellent capability.
- n Allows the substrate to breathe (vapour permeable).
- n Treatment is usually invisible not changing the substrate aspect.
- n Improves resistance to dirt pick up, and reduces fungal, algal and lichens growth.
- n Can be over coated with suitable paints and coatings.
- n Ready to use.
- n Water based environmental friendly.

Tests

Approval / Standards

PV Véritas No. 1108203/2A & 2B, ageing, water vapour permeability, water absorption.

Product Data

Form

Appearance / Colour

Whitish liquid.

Packaging

2 and 5 l cans, 20 l pails.

Storage

Storage Conditions / Shelf Life

12 months from date of production if stored properly in undamaged and unopened, original sealed containers, in dry conditions at temperatures between +5°C and +40°C. Protect from frost.

Technical Data

Chemical Base

Silane / siloxane combination.

Density

~ 1.0 kg/l (at +20°C)

pH Value

7 - 10



System Information

Application Details

Consumption	<p>Dependent on substrate porosity: On concrete and mortar: ~ 150 - 200 g/m² On other porous materials: ~ 300 - 500 g/m²</p> <p>(A test is necessary to determine the exact consumption).</p>
Substrate Quality	<p>Clean, sound, free of dust, dirt, oils and grease, efflorescence and old paint coatings etc.</p> <p>Cracks in concrete more than 200 microns must be repaired first prior to carry out the hydrophobic treatment.</p>
Substrate Preparation	<p>Cleaning should be done with suitable detergent or by light steam or blast cleaning.</p> <p>Best results are obtained on dry, very absorbent substrates.</p> <p>The substrate must look dry with no damp patches.</p>

Application Conditions / Limitations

Substrate Temperature	+5°C min. / +35°C max.
Ambient Temperature	+5°C min. / +35°C max.

Application Instructions

Application Method / Tools	Sikagard®-703 W is applied with a conventional low pressure spray, brush or roller, in a single pass from top to bottom taking care not to let the product run.
Cleaning of Tools	Clean all tools and application equipment with clean water immediately after use. Cured material can only be removed mechanically.
Waiting Time / Overcoating	<p>Can be overcoated with water and solvent based polymer paints - contact the paint manufacturer for details.</p> <p>For overcoating with Sikagard®, SikaColor® Emulsion or solvent based coating, wait at least 5 hours after the hydrophobic impregnation.</p>

Notes on Application / 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 when the substrate is cracked.

Sikagard®-703 W is not suitable for horizontal surface.

Curing Details

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

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 shall 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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