

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.
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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.
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Characteristics / Advantages	<ul style="list-style-type: none">■ 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.
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Tests

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

Form

Appearance / Colour	Whitish liquid.
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Packaging	5 litre bottles.
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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.
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Construction



Technical Data

Chemical Base Silane / siloxane combination.

Density ~ 1.0 kg/l (at +20°C)

pH Value 7 - 10

System Information

Application Details

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).

Substrate Quality Clean, sound, free of dust, dirt, oils and grease, efflorescence and old paint coatings etc.
Cracks more than 300 microns must be repaired first prior to carry out the hydrophobic treatment.

Substrate Preparation 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 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 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.

Waiting Time / Overcoating Can be over coated with water and solvent based polymer paints - contact the paint manufacturer for details.
For over coating with Sikagard® or solvent based coating, wait at least 5 hours after the hydrophobic impregnation.

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 over coated with lime wash or cementitious coatings.
On all substrates, the optimum water repellent capability is achieved after a few days.
Water repellence is significantly reduced when the substrate is cracked.
Refer to the method statement for more precision on the application procedure.

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.

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.

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