

PRODUCT DATA SHEET

Sikagard® H 321

(formerly MProtect H 321)

A water based, silane/siloxane clear water repellent for masonry surfaces.

DESCRIPTION

Sikagard® H 321 is a one component, water based silane/siloxane blend. Sikagard® H 321 penetrates deep into the substrate where it reacts chemically. The reaction starts immediately as soon as the active ingredients get in contact with the substrate. The reaction time depends on temperature, humidity and nature of the substrate. The treated surface does bead water shortly after application of Sikagard® H 321.

USES

Sikagard® H 321 is a clear penetrating silane/ siloxane based water repellent for use on porous and semi-porous substrates such as clay and calcium silicate brick, honed limy-sandstone and sand-cement render.

FEATURES

Aesthetics

Improves the aesthetics by reducing efflorescence. Surface appearance remains unchanged as Sikagard® H 321 penetrates into the substrate.

Durable

Long term protection due to deep penetration. Ultraviolet and acid rain resistant.

No influence on moisture vapour permeability.

Cost effective

One layer only.

Easy to apply

Ready to use, no dilution on site guarantees consistent quality.

One component.

Application equipment and spillages easily cleaned with soapy water.

Environmentally friendly

Water based.

Reduces volatile organic emissions into the atmosphere.

No dangerous fumes.

PRODUCT INFORMATION

Packaging	Sikagard® H 321 is supplied 20 l plastic cans.
Shelf life	Rotate stock in order not to exceed the shelf life of 12 months.
Storage conditions	Sikagard® H 321 should be stored under cover and clear of the ground. Protect from freezing. Storage temperature should not exceed 35°C.
Appearance and colour	Milky white liquid, when applied dries up invisible.
Density	1,0 kg/liter
Flash point	> 100°C
Solid content by mass	app. 7%
Water absorption	95% reduction vs. untreated concrete

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APPLICATION INFORMATION

Consumption / Yield / Dosage (PRINT single line)

Typically 1-4 m²/l on masonry surfaces. Coverage rates vary with nature and porosity of the substrate.

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.

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 PREPARATION

Surface to be treated must be clean and free from laitance, contaminants and previous water repellent treatments which could cause non-uniform absorption or white staining. Water jetting or sandblasting may be required to achieve the desired condition. Remove efflorescence by dry brushing. Caulking and sealant work must be done prior to the application of Sikagard® H 321 and allowed to cure in accordance with the manufacturer's instructions.

MIXING

Sikagard® H 321 is ready for use, stir slightly.

APPLICATION

The temperature of the surface, the air and the material should be between 10°C and 35°C during the application. Test a small area before starting general application to assure the desired results and coverage rates are obtained. Only use low pressure, non-atomizing spray equipment. Application should be from bottom up to assist in uniform distribution of Sikagard® H 321. Apply in one operation to saturation, with a controlled rundown to a maximum of 20 cm. In certain cases, a mist coat of potable water before application may be necessary to help break the surface tension - this will ensure maximum penetration of the saturation coat.

CLEANING OF EQUIPMENT

Equipment and incidental areas of over-spray should immediately be cleaned with soapy water to avoid eventual staining. Sikagard® H 321 will leave a visible residue on non-porous materials such as glass, metal and painted surfaces when cured. Dried, polymerized material can be removed by scraping with a metal blade. Protect plant life from over spray.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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