

PRODUCT DATA SHEET

Sikagard®-915 Stainprotect

Impregnation and sealer for stain protection of the cementitious Sikafloor® and SikaScreed® HardTop range

PRODUCT DESCRIPTION

Sikagard®-915 Stainprotect is a 1-part, silane-based, solvented impregnation and sealer. By reducing the penetration of aqueous liquids, grease, oils and other staining elements, it provides durable protection from stains on mineral cementitious and concrete surfaces as well as stone.

USES

Sikagard®-915 Stainprotect installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Sikagard®-915 Stainprotect is used as a:

- Impregnation and sealer for stain protection on mineral cementitious, concrete surfaces and stones in industrial and commercial areas

Sikagard®-915 Stainprotect is used for interior and exterior applications.

CHARACTERISTICS / ADVANTAGES

- One-part, no thinning required
- Very good resistance to UV exposure
- Very good resistance to weathering
- Provides protection from oil, diesel and water
- Good freeze-thaw de-icing salt resistance
- Very easy application
- Very low consumption
- Good durability
- Reduced maintenance
- Improves freeze thaw resistance

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Hydrophobic impregnation

PRODUCT INFORMATION

Chemical Base	Silane in ethyl alcohol	
Packaging	10 L plastic canister Refer to the current price list for available packaging variations.	
Appearance / Colour	Appearance and colour	Clear-yellowish liquid
	Cured colour	Transparent
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original unopened, sealed and undamaged packaging in cool and dry conditions. Protect from direct sunlight and frost. Open canisters must be consumed as soon as possible. Refer to the current Safety Data Sheet for information on safe handling and storage.	

APPLICATION INFORMATION

Consumption	SURFACES AFTER GRINDING OR POLISHING (WITH GRIT FINER THAN 200), WITH VERY LOW ABSORBENCY	
	Layer	Consumption
	1 × Sikagard®-915 Stainprotect as saturation coat	50–90 g/m ²
	1 × Sikagard®-915 Stainprotect as optional situational coating	15–45 g/m ²
	UNTREATED SMOOTH SURFACES WITH NORMAL ABSORBENCY Apply one coat of Sikagard®-914 W Stainprotect Primer (~100 g/m ²) and one coat of Sikagard®-915 Stainprotect (consumption 50–90 g/m ²). Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.	
Product Temperature	Maximum	+30 °C
	Minimum	+10 °C
Ambient Air Temperature	Maximum	+30 °C
	Minimum	+10 °C
Relative Air Humidity	Maximum	80 % r.h.
Dew Point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above the dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.	
Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C
Substrate Moisture Content	For optimal penetration the substrate must be as dry as possible. A slightly damp substrate is acceptable but will reduce penetration.	
Waiting Time / Overcoating	Temperature	Waiting time
	+10 °C	24 hours
	+20 °C	15 hours
	+30 °C	7 hours
	The water and oil repellent effect develops after 2–3 hours. Note: Times are approximate and will be affected by changing ambient and substrate conditions.	
Applied Product Ready for Use	Substrate temperature	Time
	+10 °C	48–72 hours
	+20 °C	24–48 hours
	+30 °C	24 hours
	Note: Times are approximate and will be affected by changing ambient and substrate conditions.	

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

EQUIPMENT

SUBSTRATE PREPARATION

- High-pressure water or abrasive blast cleaning equipment
- Vacuum cleaner

APPLICATION

- Airless sprayer and 0.1 mm nozzle
- Microfibre mop
- Single-disc machine and white pad or polishing pad
- Protection for nearby surfaces

SUBSTRATE QUALITY

Suitable substrates are hardened concrete, stone, cementitious levelling screeds and Sikascreed® HardTop. Do not apply the Product on self-levelling compounds which contain gypsum.

Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oils, grease, coatings, all loosely adhering particles and other surface contaminants.

If in doubt, apply a test area first.

For both new works and refurbishment, make sure that the surface of the substrate is thoroughly dry. The presence of dampness will reduce penetration. For absorbent substrates, use Sikagard®-914 W Stainprotect Primer as pre-treatment.

MIXING

The Product is supplied ready-to-use. Do not thin down the material. Shake well before use.

APPLICATION

IMPORTANT

Inconsistent finish due to exposure to excessive moisture or heat

Exposure to environmental conditions during application can cause an inconsistent finish.

1. Avoid exposing the Product to direct sunlight during application and curing.
2. Avoid direct moisture until the Product has completely dried.
3. Turn off floor heating.

4. Provide good ventilation during and after application.

Impaired aesthetic appearance due to excess application

Note: Over-application of the Product can cause the surface to appear much darker.

1. Do not leave any ponding of the material during application.
2. Ensure that all applied material penetrates into the floor or is removed by polishing, otherwise surplus material starts to dry up on the surface and cannot be removed.
3. If Sikagard®-914 W Stainprotect Primer is applied as a primer, only apply one coat of Sikagard®-915 Stainprotect.
4. Do not apply a combined system of Sikagard®-914 W Stainprotect Primer plus Sikagard®-915 Stainprotect on a polished, non-absorbent floor. Sikagard®-914 W Stainprotect Primer does not penetrate surfaces that are too dense. In this case, apply one or two coats of Sikagard®-915 Stainprotect.

Physical properties of surfaces due to Product application

Note: Note the physical advantages and limitations of the Product.

1. The Product greatly reduces water absorption but the diffusion of water vapour is only marginally affected.
2. The acidic sensitivity of mineral surfaces will be reduced but continue to exist.
3. The effectiveness of the Product depends on the type of substrate and its porosity and absorption.
4. Depending on the material and surface treatment, the Product can also lead to different results in the resistance to stain protection.

Aesthetic properties of surfaces due to Product application

Note: Note the aesthetic advantages and limitations of the Product.

1. The Product enhances the gloss of the surface.
2. The active ingredients are UV-stable and will not cause the surface to yellow.
3. Depending on the water absorption, the appearance of the surface may change, because the Product affects colour enhancement.

POLISHED SURFACES WITH VERY LOW ABSORBENCY (CONCRETE, STONE, SIKASCREED® HARDTOP OR CEMENTITIOUS LEVELLING SCREED)

Preconditions

Protect nearby surfaces prior to application.

1. Apply the Product uniformly to the surface using an airless sprayer and a suitable nozzle sized 0.1 mm.
2. **IMPORTANT** A thin, smeary film must remain on top. Distribute the material with a microfibre mop.
3. **IMPORTANT** Polish before the Product starts drying. Within the next 10 minutes, polish the surplus protective film with a single-disc machine and a white pad or polishing pad. This creates a smooth gloss film.
4. Apply a second coat depending on the absorbency and finish of the floor. A second coat is not necessary if Sikagard®-914 W Stainprotect Primer was applied.

SMOOTH SURFACES WITH NORMAL OR HIGH ABSORBENCY (CONCRETE, STONE, SIKASCREED® HARDTOP OR CEMENTITIOUS LEVELLING SCREED)

Preconditions

Protect nearby surfaces prior to application. The pretreatment Sikagard®-914 W Stainprotect Primer has been applied and left to cure for 1–2 hours. For very absorbent substrates, a second coat has been applied.

1. Apply the Product uniformly to the surface using an airless sprayer and a suitable nozzle sized 0.1 mm.
2. IMPORTANT A thin, smeary film must remain on top. Distribute the material with a microfibre mop.
3. IMPORTANT Polish before the Product starts drying. Within the next 10 minutes, polish the surplus protective film with a single-disc machine and a white pad or polishing pad. This creates a smooth gloss film.

CLEANING OF TOOLS

Clean all tools and application equipment with alcohol, white spirit or other adequate solvent immediately after use. Hardened material can only be mechanically removed. Do not use acetone or cellulose thinner.

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 the 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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Product Data Sheet

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