

PRODUCT DATA SHEET

Sikagard®-915 Stainprotect

Special impregnation / sealer for stain protection of cementitious Sikafloor® and SikaScreed® HardTop range

DESCRIPTION

Sikagard®-915 Stainprotect is a single component, silane based solvented impregnation / sealer to provide excellent water and oil repellent effect and a durable stain protection to mineral cementitious and concrete surfaces and stone.

USES

Sikagard®-915 Stainprotect may only be used by experienced professionals.

Sikagard®-915 Stainprotect efficiently reduces the penetration of aqueous liquids, grease, oils and other staining elements, either indoors or outdoors.

It can be used in the following areas:

- Industrial floors and warehouses
- Mineral floors in commercial areas
- Markets, shopping malls, supermarkets, etc.

PRODUCT INFORMATION

Product Declaration

EN 1504-2: Method 1.1, 2.1 and 8.1

CHARACTERISTICS / ADVANTAGES

- Single component, no thinning required
- Solvent based
- UV and weathering resistant
- Oil, diesel and water protection
- Unaffected by de-icing salts
- Very easy application
- Very low consumption required
- Improve durability
- Reduced maintenance
- Improve freeze and thaw resistance

APPROVALS / STANDARDS

CE marking and Declaration of Performance to EN 1504-2 - Surface protection products.

Chemical Base	Silane in ethyl alcohol
Packaging	10 L plastic canister
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.
Appearance / Colour	Clear-yellowish liquid / transparent once dry
Density	~0.86 kg/l at +20 °C

SYSTEM INFORMATION

Systems	<p>Surfaces after grinding or polishing (with grit finer than 200), with very low absorbancy: Depending on floor absorption and the finish of the substrate, a second coat is necessary to achieve a uniform finish.</p> <table border="1"> <tr> <td>Saturation coat</td> <td>Sikagard®-915 Stainprotect (1 coat)</td> </tr> <tr> <td>Situational coating (dependant on surface porosity)</td> <td>Sikagard®-915 Stainprotect (1 coat if required)</td> </tr> </table> <p>Untreated smooth surfaces with normal absorbancy:</p> <table border="1"> <tr> <td>Primer</td> <td>Sikagard®-914 W Stainprotect Primer (1 coat)</td> </tr> <tr> <td>Coating</td> <td>Sikagard®-915 Stainprotect (1 coat)</td> </tr> </table>	Saturation coat	Sikagard®-915 Stainprotect (1 coat)	Situational coating (dependant on surface porosity)	Sikagard®-915 Stainprotect (1 coat if required)	Primer	Sikagard®-914 W Stainprotect Primer (1 coat)	Coating	Sikagard®-915 Stainprotect (1 coat)
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APPLICATION INFORMATION

Consumption	<p>Surfaces after grinding or polishing (with grit finer than 200), with very low absorbancy:</p> <table border="1"> <tr> <td>Sikagard®-915 Stainprotect (1 saturation coat)</td> <td>~50–90 g/m²</td> </tr> <tr> <td>Sikagard®-915 Stainprotect (1 coat if required)</td> <td>~15–45 g/m²</td> </tr> </table> <p>Untreated smooth surfaces with normal absorbancy:</p> <table border="1"> <tr> <td>Sikagard®-914 W Stainprotect Primer (1 coat)</td> <td>~100 g/m²</td> </tr> <tr> <td>Sikagard®-915 Stainprotect (1 coat)</td> <td>~50–90 g/m²</td> </tr> </table> <p>To determine the consumption on site, apply Sikagard®-915 Stainprotect on a sample area of the same substrate type. The figures are theoretical and do not allow for any additional material due surface porosity, surface profile and wastage.</p>	Sikagard®-915 Stainprotect (1 saturation coat)	~50–90 g/m ²	Sikagard®-915 Stainprotect (1 coat if required)	~15–45 g/m ²	Sikagard®-914 W Stainprotect Primer (1 coat)	~100 g/m ²	Sikagard®-915 Stainprotect (1 coat)	~50–90 g/m ²
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Ambient Air Temperature	+10 °C min. / +30 °C max.								
Relative Air Humidity	80 % max.								
Dew Point	Beware of condensation! The substrate and uncured floor must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.								
Substrate Temperature	+10 °C min. / +30 °C max.								
Substrate Moisture Content	Substrate must be as dry as possible to aid in penetration. A slight dampness of the substrate is acceptable but will reduce penetration.								
Waiting Time / Overcoating	Whenever required, waiting time between coats:								

Temperature	Time
+10 °C	~24 hours
+20 °C	~15 hours
+30 °C	~7 hours

Note: times are approximate and will be affected by changing ambient and substrate conditions. Water and oil repellent effect develops after 2 to 3 hours.

Applied Product Ready for Use	Substrate temperature	Fully serviceable
	+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.

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.

LIMITATIONS

- Sikagard®-915 Stainprotect also enhances the gloss of the surface. The water absorption will be greatly reduced but the diffusion of water vapour will only be marginally affected.
- Do not over apply Sikagard®-915 Stainprotect - do not leave any ponding of the material during application and remove before it dries.
- Depending on the water absorption, the appearance of the surface could change more or less, because the product affects colour enhancement.
- The effectiveness will depend on the type of material and the porosity and adsorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance to stain protection.
- If too much product is applied, a strongly darker surface can be expected.
- The acidic sensitivity of mineral surfaces will continue to exist, but will be reduced.
- Protect nearby areas prior to the application of Sikagard®-915 Stainprotect.
- Avoid direct solar exposure during application.
- Avoid direct moisture until the product has completely dried.
- Floor heating must be turned off.
- Good ventilation must be provided during and after application.
- Applied by spraying, observe the special safety precautions required.
- The active ingredients are UV stable and will not cause the surface to yellow.
- The use of the products is based on local circumstances and on the characteristics of the surface itself. If there is no experience, and in case of doubt, we recommend first trying the product in an inconspicuous spot.
- Two coats are not necessary if Sikagard®-914 W Stainprotect Primer has been applied before.
- Do not apply Sikagard®-915 Stainprotect on self-levelling compounds which contain gypsum.

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / h type sb) is 750 g/l (Limits 2010) for the ready to use product.

The maximum content of Sikagard®-915 Stainprotect is ≤ 530 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Hardened concrete / stone / cementitious substrate: Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oils, grease, coatings, all loosely adhering particles and other surface contaminants.

For both new works and refurbishment:

Make sure that the surface of the substrate is thoroughly dry. The presence of dampness will reduce penetration.

MIXING

Sikagard®-915 Stainprotect ist supplied ready to use. Do not thin down the material. Shake well prior to use.

APPLICATION

Concrete, stone, Sikascreed® HardTop or cementitious levelling screed

Polished surfaces with very low absorbancy:

1. Apply Sikagard®-915 Stainprotect uniformly on the surface with an airless sprayer and a suitable nozzle (0.1mm nozzle is recommended).
2. Distribute the material with a microfiber mop. A thin, smeary film must remain on top.
3. Within the next 10 minutes, polish the surplus pro-

PRODUCT DATA SHEET

Sikagard®-915 Stainprotect
December 2022, Version 02.01
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protective film with a single disc machine and a white pad / polishing pad. This creates a nice smooth gloss film.

4. Polish before the product starts drying.

Concrete, stone, Sikascreed® HardTop or cementitious levelling screed

Smooth surfaces with normal absorbancy:

1. For absorbent floors use Sikagard®-914 W Stainprotect Primer as pre-treatment. Let the material cure between 1–2 hours. For very absorbent substrates a second application is required.

2. After priming is complete and completely dry, apply Sikagard®-915 Stainprotect uniformly on the surface with an airless sprayer and a suitable nozzle (0.1mm nozzle is recommended).

3. Distribute the material with a microfiber mop. A thin, smeary film must remain on top.

4. Within the next 10 minutes, polish the surplus protective film with a single disc machine and a white pad / polishing pad. This creates a nice smooth gloss film.

5. Polish before the product starts drying.

All applied material must penetrate into the floor or be removed by polishing, otherwise surplus material starts to dry up on top and cannot be removed.

CLEANING OF TOOLS

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

MAINTENANCE

To maintain the appearance of the floor after application, Sikagard®-915 Stainprotect must have all spillages removed immediately and must be regularly cleaned using rotary brushes, mechanical scrubbers, scrubber dryers, high pressure washers, wash and vacuum techniques, etc., using suitable detergents and waxes.

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.

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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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