

Sikagard®-914W Stainprotect Primer

Pre-treatment for stain protection of cementitious Sikafloor® and SikaDecor® screeds

Product Description

Sikagard®-914W Stainprotect Primer (SSP) is a single component, water based acrylic co-polymer primer for pore-filling and water repellent effect prior to the application of Sikagard®-915/925 Stainprotect.

Uses

Sikagard®-914W Stainprotect Primer has been designed to efficiently reduce the penetration of aqueous or acidic liquids, dirt and other deleterious 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....

Sikagard®-914W Stainprotect Primer can be applied on the following porous surface

- Concrete floors,
- Deactivated concrete surface,
- Self-levelling screeds or toppings, etc.

This product is only designed to provide a purely aesthetical protection to cementitious mineral substrates and concrete. No additional protection properties are implied.

Characteristics / Advantages

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|--|-------------------------------------|
| ■ Single component, no thinning required | ■ Very easy application |
| ■ Low solvent content | ■ User friendly |
| ■ UV and weather resistant | ■ Good durability |
| ■ Oil, diesel and water protection | ■ Reduced maintenance |
| ■ Unaffected by de-icing salts | ■ Improves freeze / thaw resistance |

Tests

Approval / Standards

Product Data

Form

Appearance / Colours

Opalescent whitish liquid, clear / transparent once dry

Packaging

10 lt plastic canister

Storage

Storage Conditions / Shelf-Life

12 months from date of production if stored 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.

Technical Data

Chemical Base	Acrylic co-polymer dispersion
Density	~ 1,02 kg/l (at +20 °C)
pH	~ 8 – 9

Mechanical / Physical Properties

Resistance

Chemical Resistance	Resistant against soft water, used motor oil, diesel, gasoline, light acidic or alkaline solution, foodstuff, olive oil etc. Not suitable for high chemical exposure or stand-alone application..
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System Information

System Structure	Normally one coat of Sikagard®-914W Stainprotect Primer is sufficient before the application of Sikagard®-915 Stainprotect. If additional protection against water or oil is required or in case of a very porous substrate, apply a second coat of Sikagard®-914W Stainprotect Primer . 1x (2 x) Sikagard®-914W Stainprotect Primer 1x Sikagard®-915/925 Stainprotect Never use only Sikagard®-914W Stainprotect Primer without Sikagard®-915 Stainprotect
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Application Details

Consumption

	Grinded / Polished surface	Not grinded / Power trowelled
1 st application Sikagard®-914W Stainprotect Primer	0.050 – 0.030 lt/m ²	~ 0.10 - 0.050 lt/m ²
2 nd application* Sikagard®-914W Stainprotect Primer		~ 0.050 lt/m ²
1 st application of Sikagard®-915 Stainprotect	0.050 – 0.020 lt/m ²	0.050 – 0.020 lt/m ²
2 nd application of Sikagard®-915 Stainprotect	---?	---?

To best determine the consumption, apply Sikagard®-914 W Stainprotect Primer Stainprotect on a sample area of the same substrate type

Substrate Quality

Hardened / old concrete:
Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oils, grease, coatings, all loosely adhering particles and other surface contaminants.
What about other substrates?
If in doubt apply a test area first.

Substrate Preparation

For both new works and refurbishment:
Make sure that the surface of the substrate is thoroughly dry. The presence of dampness will reduce penetration.

Application Conditions / Limitations											
Substrate Temperature	+10 °C (50°F) min. / +30 °C (86°F) max.										
Ambient Temperature	+10 °C (50°F) min. / +30 °C (86°F) 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.										
Relative Air Humidity	100% 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.										
Application Instructions											
Mixing	Sikagard®-914W Stainprotect Primer is supplied ready for use. Do not thin down the material. Shake up well the product prior to use.										
Application Method / Tools	<i>Concrete or cementitious levelling screed:</i> Apply uniformly on the surface Sikagard®-914W Stainprotect Primer with an airless sprayer and a suitable nozzle (0.25 -0.3 is recommended). A team of two workers is required, for the second one to immediately apply a synthetic short pile roller to obtain a homogeneous coverage. Let the material penetrate and cure between 1 to 2 hours. For very absorbent substrates a second application may be required. After priming is complete and completely dry, apply Sikagard®-915 Stainprotect Please refer to specific PDS for detailed instructions.										
Cleaning of Tools	Clean all tools and application equipment with water and detergent immediately after use. Hardened/cured material can only be mechanically removed.										
Waiting Time / Overcoatability	<i>Whenever required, waiting time between coats:</i> <table><tr><td>Temperature</td><td>+10 °C</td><td>+20 °C</td><td>+30 °C</td></tr><tr><td>Time</td><td>~4 hours</td><td>~2 hours</td><td>~1 hours</td></tr></table> Note: Times are approximate and will be affected by changing ambient and substrate conditions. Water and oil repellent effect develops after 2-3 hours.			Temperature	+10 °C	+20 °C	+30 °C	Time	~4 hours	~2 hours	~1 hours
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Notes on Application / Limitations	<p>There is no or only minimal change to the surface colour (no colour enhancement), but an increase of gloss can be expected.</p> <p>The water absorption will be greatly reduced but the diffusion of water vapour will only be marginally affected.</p> <p>Do not over apply Sikagard®-914W Stainprotect Primer – do not leave any ponding of the material during application and remove before it dries.</p> <p>The effectiveness will depend on the type of material and the porosity and absorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance to stain protection.</p> <p>The acidic sensitivity of mineral surfaces will continue to exist, but will be reduced.</p> <p>Protect nearby areas prior to the application of Sikagard®-914W Stainprotect Primer and Sikagard®-915/925 Stainprotect.</p> <p>Avoid direct solar exposure during application.</p> <p>Avoid direct moisture until the product has completely dried.</p> <p>Floor heating may be turned off.</p> <p>Good ventilation must be provided during and after application.</p> <p>When application by spraying, observe the special safety precautions required.</p> <p>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 to try the products in an inconspicuous spot.</p> <p>The combined system of Sikagard® -914W Stainprotect Primer plus Sikagard® -915 Stainprotect not applicable on grinded and polished floor with a finish > 100 grit, because Sikagard® -914W Stainprotect Primer will not penetrate, when the surface is too dense. In this case a single or double application of Sikagard® -915 Stainprotect would suffice.</p> <p>When Sikagard® -914W Stainprotect Primer is applied as primer, only one coat with Sikagard® -915 Stainprotect will be necessary. A second coat with Sikagard® -915</p>										

Stainprotect will lead to an excess of material on the floor.

Curing Details

Applied Product ready for use

(After application on top of Sikagard® -915 Stainprotect)

Substrate temperature	+10°C	+20°C	+30°C
Fully serviceable	~ 48-72 hours	~ 24-48 hours	~ 24 hours

Note: Times are approximate and will be affected by changing ambient and substrate conditions.

Cleaning / Maintenance

Methods

To maintain the appearance of the floor after application, Sikafloor®-914W Stainprotect Primer 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.

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.

Do not empty into drains. WGK 1 (low water endangering). EUROPE waste key: 080299. Empty cans are recyclable and can be disposed of in a reusable material collection system.

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.

Note

The following chapter is only mandatory for European countries.

EU Regulation 2004/42 VOC - Decopaint Directive

According to the EU-Directive 2004/42, the maximum allowed content of VOC Product category IIA / **g** type **wb**) is 50 g/l (Limit 2010), for the ready to use product. The maximum content of **Sikafloor®-914W Stainprotect Primer** is < 30 g/l VOC for the ready to use product.



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