

PRODUCT DATA SHEET

Sikagard®-914 W Stainprotect Primer

Pre-treatment for stain protection of cementitious Sikafloor® and SikaScreed® HardTop range

DESCRIPTION

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

USES

Sikagard®-914 W Stainprotect Primer may only be used by experienced professionals.

Sikagard®-914 W 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®-914 W 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

- 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

PRODUCT INFORMATION

Chemical Base	acrylic co-polymer dispersion
Packaging	10 lt 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	opalescent whitish liquid, clear / transparent once dry
Density	~ 1,02 kg/lt (at +20°C)

SYSTEM INFORMATION

System Structure

Build-up (normally absorbent surfaces):
1 * (2 *) Sikagard®-914 W Stainprotect Primer
1 * Sikagard®-915 Stainprotect

On prepared surface apply one layer of Sikagard®-914 W Stainprotect Primer first. If additional protection against water or oil is required or in case of a very porous substrate, apply a second coat of Sikagard®-914 W Stainprotect Primer.

Never use only Sikagard®-914 W Stainprotect Primer by itself as the protection coating.

APPLICATION INFORMATION

Consumption

**Concrete, SikaScreed® HardTop or cementitious levelling screed:
Smooth surface with normal absorbency (grit rougher than 100)**

1 * (2 *) application Sikagard®-914 W Stainprotect Primer ~ 0.10 lt/m²
1* application Sikagard®-915 Stainprotect ~ 0.05 - 0.1 lt/m²

To best determine the consumption, apply Sikagard®-915 Stainprotect on a sample area of the same substrate type.

Ambient Air Temperature

+10°C min. / +30°C max.

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.

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	~ 4 hours
+20°C	~ 2 hours
+30°C	~ 1 hour

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

Applied Product Ready for Use

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.

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

- There is no or only minimal change to the surface colour (no colour enhancement), but an increase of gloss can be expected.
- The water absorption will be greatly reduced but the diffusion of water vapour will only be marginally affected.
- Do not over apply Sikagard®-914 W Stainprotect Primer – do not leave any ponding of the material during application and remove before it dries.
- 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.
- The acidic sensitivity of mineral surfaces will continue to exist, but will be reduced.
- Protect nearby areas prior to the application of Sikagard®-914 W Stainprotect Primer and Sikagard®-915 Stainprotect.
- Avoid direct solar exposure during application.
- Avoid direct moisture until the product has completely dried.
- Floor heating may be turned off.
- Good ventilation must be provided during and after application.
- When application by spraying, observe the special safety precautions required.
- 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.
- The combined system of Sikagard®-914 W Stainprotect Primer plus Sikagard® -915 Stainprotect not applicable on polished floor without absorbancy, because Sikagard®-914 W 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.
- When Sikagard®-914 W Stainprotect Primer is applied as primer, only one coat with Sikagard® -915 Stainprotect will be necessary. A second coat with Sikagard® -915 Stainprotect will lead to an excess of material on the floor.

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, 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 Sikagard®-914 W Stainprotect Primer is < 30 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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.

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.

APPLICATION

Mixing

Sikagard®-914 W Stainprotect Primer is supplied ready for use. Do not thin down the material. Shake up well the product prior to use.

Concrete, SikaScreed® HardTop or cementitious leveling screed:

Apply uniformly on the surface Sikagard®-914 W 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.

CLEANING OF TOOLS

Clean all tools and application equipment with water and detergent immediately after use. Hardened/cured material can only be mechanically removed.

MAINTENANCE

To maintain the appearance of the floor after application, Sikagard®-914 W 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.

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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.

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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