

PRODUCT DATA SHEET

Sikagard®-907 W

POROUS SURFACE PROTECTION AND JOINTING SAND STABILISER

DESCRIPTION

Sikagard®-907 W is a single component, UV resistant, water based resin sealer.

Sikagard®-907 W has a dual effect: It protects porous surfaces against water and oil stains and it stabilises also the sand in the joints.

USES

Sikagard®-907 W has been designed to efficiently protect block paving and porous surfaces against water, oil and other deleterious elements.

Additionally due to its unique binding properties, when applied to sand filled joints, Sikagard®-907 W penetrates into the sand in the joints and stabilises and seals them.

It can be used in the following areas:

- Pedestrian areas and footpaths
- Terraces
- Car parks and ramps
- Drive ways and patios
- Paving in petrol stations (subject to local regulations)
- Shopping malls, etc.

Sikagard®-907 W can be applied on the following porous surface:

- Paving blocks, auto-blocking cobblestones
- Reconstituted or natural porous cobblestones
- Concrete floors
- Exposed aggregates concrete surfaces

CHARACTERISTICS / ADVANTAGES

- Single component, no dilution or thinning required
- Environmental friendly, solvent free
- UV and weather resistant
- Easy application
- Oil, diesel and water protection
- Reduces contamination by hydrocarbon based materials
- De-icing salt resistant
- Improves freeze-thaw resistance
- Prevents weed growth in the joints
- Allows the joints and the substrates to breathe
- Reduces sand erosion
- Facilitates cleaning of the surfaces
- Reduces maintenance
- Enhances the colour of the substrate
- Reduces efflorescence

PRODUCT INFORMATION

Chemical base	Acrylate resin dispersion
Packaging	5, 20 l plastic pails
Appearance / Colour	Opalescent milky white liquid. Clear / transparent once dry
Shelf life	15 months from date of production if stored properly in original unopened, sealed and undamaged packaging
Storage conditions	Store in cool and dry conditions. Protect from direct sunlight and frost.
Density	~1.01 kg/l (at +23°C)
pH-Value	~9
Viscosity	~40 mPas (at +20°C)

TECHNICAL INFORMATION

Chemical Resistance	Resistant to aggressive soft water, engine oil, diesel, gasoline, light acidic or alkaline solutions (household chemicals), foodstuffs (olive oils, ketchup, etc). Not suitable for high chemical exposure.
Thermal Resistance	Permanent exposure < +100°C (dry conditions) Temporary resistant to steam cleaning

SYSTEMS

System Structure	Normally one coat is sufficient. If added/increased protection against water and oil is required or in case of very porous substrate a second coat shall be applied.
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APPLICATION INFORMATION

Thinner	Sikagard®-907 W is supplied ready for use. Do not dilute or thin down the material.
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Consumption	<i>On paving blocks with sand filled joints:</i> ~ 0.5 - 1.5 l/m ² for the first coat (~ 0.6 - 2.0 m ² /l) dependent on the substrate porosity and joint width and depth. If a 2nd coat is required, consumption is generally lower for this coat: ~ 0.100 - 0.200 l/m ² (~ 5 - 10 m ² /l)
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Other surfaces without joints:
~ 0.200 - 0.300 l/m² for the first coat (~ 3 - 5 m²/l) dependent on the substrate porosity.
If a 2nd coat is required, consumption is generally lower for this coat:
~ 0.100 - 0.150 l/m² (~ 7 - 10 m²/l)

Ambient Air Temperature	+5°C min. / +30°C max
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Substrate Temperature	+5°C min. / +30°C max.
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Waiting Time / Overcoating	Whenever a second coat is required, waiting time between coats: <table><tr><td>Temperature:</td><td>+10°C</td><td>+20°C</td><td>+30°C</td></tr><tr><td>Time:</td><td>5-6 hours</td><td>~1 hour</td><td>1/2 to 1 hour</td></tr></table> Note: These times are given as an indication only – this may vary dependent on the weather conditions (wind, relative humidity, etc), moisture content and porosity of the substrate, etc.	Temperature:	+10°C	+20°C	+30°C	Time:	5-6 hours	~1 hour	1/2 to 1 hour
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Curing Treatment	Sikagard®-907 W does not require curing but the freshly applied material must be protected from rain for at least 6 hours at +20°C - longer at lower temperatures or in high humidity.
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Applied Product Ready for Use	<table><tr><td>Tack free:</td><td>~1 hour</td></tr><tr><td>Dust dry:</td><td>~1 - 2 hours</td></tr><tr><td>Open to foot traffic:</td><td>~4 - 5 hours</td></tr><tr><td>Open to light traffic:</td><td>~24 hours</td></tr><tr><td>Open to full traffic:</td><td>~72 hours</td></tr></table>	Tack free:	~1 hour	Dust dry:	~1 - 2 hours	Open to foot traffic:	~4 - 5 hours	Open to light traffic:	~24 hours	Open to full traffic:	~72 hours
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Open to full traffic:	~72 hours										

Note: The times given above are indicative for an ambient temperature around 20°C – this may vary dependent on the weather conditions (wind, relative humidity, e.t.c), moisture content and porosity of the substrate, e.t.c.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

New surfaces:

Ensure new surfaces are well swept, clean and free of contamination. They must be surface dry. For application on sand filled joints, ensure that the sand is sufficiently compacted (however avoid excessive compaction as this will reduce the product penetration in to the joints).

Existing surfaces:

Existing surfaces must be pressure washed to remove any contamination. Dependent on the level of contamination, it may be necessary to use specific surface cleaners, such as Sikagard®-719 W Universal Cleaner or Sikagard®-715 W Moss Remover - follow the instructions of the relevant technical data sheets.

Ensure the substrate is surface dry before applying Sikagard®-907 W.

When relevant, ensure there is enough clean dry sand in the joints - if required, make the necessary sand addition and ensure proper compaction (avoiding excessive compaction as this will reduce the product penetration in to the joints).

For both new works and refurbishment:

When relevant, always ensure that the sand in the joints is thoroughly dry - the presence of any dampness will reduce the penetration of Sikagard®-907 W.

APPLICATION

For joint stabilising and surface protection:

Apply Sikagard®-907 W uniformly on the surface with a "watering can" fitted with a rose. Let the material penetrate the joints for a few minutes before removing the excess using a squeegee. When application is carried out on rough, uneven blocks, ensure no puddles remain on the surface by using clean rags where necessary.

Alternatively, Sikagard®-907 W can be applied with a low pressure spray following the same procedure as with the watering can.

If a second coat is required for added protection against stains - from oil, foodstuff, etc - it must be applied before the first coat becomes tack-free. The second coat shall be applied using a long pile roller

For surface protection only (e.g. blocks laid side by side without sand filled joints):

Apply Sikagard®-907 W uniformly on the surface with a long pile roller.

If a second coat is required for added protection against stains - from oil, foodstuff, etc - it must be applied before the first coat becomes tack-free. The second coat shall also be applied using a long pile roller

CLEANING OF TOOLS

Removal of fresh remnants from tools and application equipment can be carried out using water and detergent immediately after use. Hardened/cured material can only be mechanically removed.

LIMITATIONS

Do not apply Sikagard®-907 W in case:

- Rain is expected
- Temperatures below +5°C are expected
- When dew point conditions are expected within 6 hours of application

Sikagard®-907 W must not be applied on the following non porous surfaces:

- Marble
- Ceramic tiles or terracotta
- Natural polished stone
- On any other non porous substrates

Dependent on the roughness of the surface and with excessive application, Sikagard®-907 W may increase temporary the slipperiness of a surface. Preliminary tests shall be carried out in areas prone to wetting (e.g. swimming pool surrounds).

Do not over apply Sikagard®-907 W - do not leave any material ponding on the surface - remove with clean rags where necessary.

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. 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.

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 / i type wb) is 140 (Limit 2010) for the ready to use product. The maximum content of Sikagard®-907 W is < 140 g/l VOC for the ready to use product.

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, sub-

strates 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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