BUILDING TRUST

PRODUCT DATA SHEET

Sikagard®-907 W

Saving Joint Sealer

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

FEATURES

- Single component, no dilution or thinning required
- 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

Composition	Acrylate resin dispersion
Packaging	2 litres, 5 litres and 20 litres plastic pails
Appearance and colour	Opalescent milky white liquid. Clear / transparent once dry
Shelf life	18 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.
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.
Temperature resistance	Permanent exposure < +100°C (dry conditions)Temporary resistant to steam cleaning

APPLICATION INFORMATION

Consumption

On paving blocks with sand filled joints:~ 0.5 - 1.5 l/m² for the first coat (~ 0.6 - 2.0 m²/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/m² (~ 5 - 10 m²/l)
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

Substrate temperature

+5°C min. / +30°C max.

Waiting time to overcoating

Whenever a second coat is required, waiting time between coats:

Temperature:	+10°C	+20°C	+30°C
Time:	5-6 hours	~1 hour	1/2 to 1 hour

Note: These times are given as an indication only and may vary dependent on the weather conditions (wind, relative humidity, etc), moisture content and porosity of the substrate, etc.

Applied product ready for use

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

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

Thinner

Sikagard®-907 W is supplied ready for use. Do not dilute or thin down the material.

SYSTEM INFORMATION

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.

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.

IMPORTANT CONSIDERATIONS

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.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

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.

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 and longer at lower temperatures or in high humidity.

CLEANING OF EQUIPMENT

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

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.

Sika Hellas ABEE
15, Protomagias Str.
GR 145 68, Kryoneri, Attica
Tel.: +30 210 81 60 600
E-mail: info@gr.sika.com
www.sika.gr