

PRODUCT DATA SHEET

Sikagard® PoolCoat

WATER BASED COATING FOR UNDER WATER EXPOSURE



DESCRIPTION

Sikagard PoolCoat is a 1-pack, water dispersed, coloured coating based on acrylic resin of good water resistance.

USES

As protective coating for concrete reservoirs, for free weathering surfaces on concrete, cement mortar, fibre cement panels and chlorinated rubber coatings, for public swimming pools where water treatment is done by chlorination only.

CHARACTERISTICS / ADVANTAGES

- Chalking- and colour stable
- Excellent resistance against sun protection lotions and creams
- Resistant against water and chemicals
- Overcoating of old chlorinated rubber coats possible
- Easy cleaning and disinfecting
- Longer maintenance intervals

APPROVALS / CERTIFICATES

1-part, water based dispersion coating with high resistance to water contact according to EN 1504-2:2004, Principles 1,2 – Methods 1.3, 2.2. Conforms to Annex ZA of Table ZA.1.

DoP 02706010010000002 1008, certified by the Factory Production Control Body, 0921, certificate 0921-CPR-2017, and provided with the CE Mark.

PRODUCT INFORMATION

Packaging	10 lt pails
Colour	White, adriatic blue, lake green, green 21, blue 32. Further colour shades on request. Slight color deviations cannot be avoided due to raw material reasons. The colour shade adriatic blue (organic pigment) might be subject to colour changes.
Shelf life	12 months from date of production
Storage conditions	Store properly in original, sealed containers, in cool and dry environment. Protect from frost during transportation and storage.
Density	~ 1.32 kg/l (at + 23°C)
Solid content by weight	~ 60%
Solid content by volume	~ 47%

TECHNICAL INFORMATION

Chemical Resistance	Resistant against acidic and alkaline detergents, disinfectants and chlorinated water according to Sika Hellas' directions. Not resistant against solvents.	
Thermal Resistance	Dry heat + 60°C	Damp heat + 30°C

SYSTEMS

System Structure	<p><u>Concrete:</u> Concrete surface should be blast-cleaned or hydro-blasted, followed by 2 levelling layers of Sikagard®-720 EpoCem® mortar to prevent blistering of the coating. Apply 2-3 coats of Sikagard® PoolCoat. Add 5% of water to the first coat only.</p> <p><u>Overcoating of old chlorinated rubber coats or other old coatings:</u> 1 - 2 x Sikagard® PoolCoat</p> <p><u>Polymers:</u> Sikagard® PoolCoat is not suitable for basins made of glass-fibre reinforced polymers due to the risk of osmotic blistering. In the case of doubt please contact our Technical Department.</p>
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APPLICATION INFORMATION

Consumption	Consumption 100 g/m ² 150 g/m ² *	Dry film thickness 36 µm 50 µm
*150 g/m ² with 20% loss for medium dry film thickness.		
Ambient Air Temperature	Minimum + 8°C Maximum + 30°C	
Relative Air Humidity	Air humidity must be less than 75 % during the whole application and drying time. Avoid formation of condensation during drying (2 days) as otherwise a disturbance of film formation is to be expected. Water contamination during drying must be removed immediately by vacuum or using rags.	
Substrate Temperature	Minimum + 8°C Maximum + 30°C	
Waiting Time / Overcoating	Between basic coating and top coat at least 1 day (e.g. 15 – 20°C). At low temperatures (e.g. 8 – 12°C) a waiting time between the coats of 2 days is recommended.	
Applied Product Ready for Use	Min. 14 days after final coat, provide sufficient ventilation each day.	

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Concrete:

The surface must be free from cement laitance as well as other not adhering layers, loose and friable particles, corrosion-promoting substance. Contamination (oil and grease) or release agents, not adhering and not compatible materials, not adhering and not compatible old coatings.

The cleaned surfaces must be dustfree and touch dry. For fair-faced concrete a test area is recommended. Observe moisture content.

For surface subject to immersion in water blast-clean-

ing later on is essential.

Cavities, pores and rough surface irregularities are to be levelled e.g. with Sikagard®-720 EpoCem® mortar before. The curing of the fine mortar with e.g. damp jute courses and plastic sheets over at least 4-5 days is particularly important in the underwater area!

Old coatings:

Old, well preserved and thoroughly cleaned chlorinated rubber should be roughened by whip-blasting, or grinding. In case of doubt a field test is strongly recommended. Other well preserved and thoroughly cleaned old coatings like Sikagard® PoolCoat are not necessary to prepare further.

MIXING

Sikagard® PoolCoat is supplied ready for use. The product should be applied unthinned except for the priming coat. Which may be diluted with up to 5% b.w. of water. Stir well before use.

APPLICATION METHOD / TOOLS

Sikagard® PoolCoat can be applied façade-brush, roller, airless spraying, (pressure in gun: approx. 180 bar, nozzle: bore 0,38 mm-0,66 mm, spraying angle: approx. 40-60°). In case of roller application the closing of pores can be improved considerably by subsequent brushing.

CLEANING OF EQUIPMENT

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

IMPORTANT CONSIDERATIONS

In case of higher chlorine- and ozone concentration of the water (see DIN 19643-2) there is a risk of chalking and discoloration. If required a refresher coat may become necessary due to aesthetical reasons. If water treatment is done by an electrolysis disinfection, the use of Sikagard PoolCoat is not recommended at all.

Note:

By leaves and petals discolorations can occur. Counter-measures:
Covering, cleaning.

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.

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.

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.

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