

# 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

#### PRODUCT INFORMATION

Packaging	3 lt., 10 lt. pails
Colour	Swimming pool shades as per shade card. 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	approx. 1 year
Storage conditions	In original sealed containers, in cool and dry environment. Storage and transport of Sikagard PoolCoat must be frost-free.
Density	At + 23°C ca. 1.32 kg/l
Solid content by weight	approx. 60%
Solid content by volume	approx. 47%

#### TECHNICAL INFORMATION

Chemical Resistance	Resistant against acidic and alkaline detergents, disinfectants and chlorinated water according to the recommendations of Sika Deutschland GmbH. Not resistant against solvents.
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Thermal Resistance	<b>dry heat</b>	<b>damp heat</b>
	+ 60°C	+ 30 °C

## SYSTEMS

<b>System Structure</b>	<p>Concrete: Concrete surface should be blast-cleaned or hydro-blasted, followed by 2 levelling layers of Icoment 520 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>Cement mortar, fibre cement panels: 2 - 3 x Sikagard PoolCoat. Add 5% of water to the first coat only.</p> <p>Overcoating of old chlorinated rubber coats or other old coatings: 1 - 2 x Sikagard PoolCoat</p> <p>Polymers: 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 kindly ask for our special advise.</p>
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## APPLICATION INFORMATION

<b>Consumption</b>	<b>consumption</b>	<b>dry film thickness</b>
	100 g/m <sup>2</sup>	36 µm
	150 g/m <sup>2</sup> *	50 µm
*150 g/m <sup>2</sup> with 20% loss for medium dry film thickness.		
<b>Ambient Air Temperature</b>	Minimum + 8°C Maximum + 30°C	
<b>Relative Air Humidity</b>	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.	
<b>Substrate Temperature</b>	Minimum + 8°C Maximum + 30°C	
<b>Waiting Time / Overcoating</b>	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.	
<b>Applied Product Ready for Use</b>	Min. 14 days after final coat, provide sufficient ventilation each day.	

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

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-cleaning later on is essential.

Cavities, pores and rough surface irregularities are to be levelled e.g. with

Icoment 520 mortars 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 further to prepare.

### 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. Stirr 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 TOOLS

Tap water

## LIMITATIONS

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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

### PRECAUTIONARY MEASURES

Sikagard PoolCoat does not fall under the dangerous goods regulations.

During application attention must be paid to the safety hints on the labels.

Please observe local regulations.

In a liquid state the product contaminates water and should not get into drains, water and ground.

In any case remnants of thinner and/or coating material must be disposed of according to law.

Further details are contained in our instructions "Health protection and prevention of accidents".

### DISPOSAL

Remnants of the not fully cured product must be disposed of according to law. Fully cured material can be disposed of as household waste according to local regulations.

## 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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### PRODUCT DATA SHEET

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