

# PRODUCT DATA SHEET

## Sikagard®-363

2-Component, elastic, solvented, PUR based, chemically resistant top coating



### DESCRIPTION

Sikagard-363 is a 2-component; solvented, polyurethane resin based (PUR), elastic top coating and seal coat.

### USES

Sikagard®-363 may only be used by experienced professionals.

- As an elastic and crack-bridging, chemically resistant top coating, e.g. on top of Icosit-2406, inside cooling towers and other internal protective coating projects.

### APPROVALS / CERTIFICATES

- Diffusion resistance coefficient  $\mu\text{CO}_2$ : > 400,000 (EN 1062-6)
- Diffusion resistance coefficient  $\mu\text{H}_2\text{O}$ : 10,500 (EN 77831-1)
- 2-part, solvent-containing, elastic, polyurethane coating as topcoat for cooling tower interior coating according to EN 1504-2 (Principles 1, 2, 5, 6, 8). DoP 0208010401700000031008 and provided with the CE Mark.
- 2-part solvent-containing elastic coating based on polyurethane according to EN 13813. DoP and provided with the CE Mark.

### CHARACTERISTICS / ADVANTAGES

- Flexible, elastic
- Weathering resistant
- Resistant to acidic vapour inside cooling towers from flue gas discharges
- UV light resistant
- Non-yellowing
- Wear and abrasion resistant
- Good chemical resistance

### PRODUCT INFORMATION

Composition	Polyurethane	
Packaging	25 kg set	Component A: 21.25 kg Component B: 3.75 kg
Appearance / Colour	RAL 7032 and 7030 as standard; other colours on request	
Shelf life	12 months	
Storage conditions	In unopened, undamaged and original sealed packaging, in dry conditions and at temperatures between +5°C and +30°C. Keep away from frost.	

Density	~ 1.3 g/cm <sup>3</sup>	DIN 53 217
Solid content by weight	~ 75.5%	DIN 53 216
Solid content by volume	~ 63%	Calculated

## TECHNICAL INFORMATION

Abrasion resistance	Value	Curing	Test standard
	~ 93.3 mg	7 d @ 23°C/50% R.H.	DIN 53 109 CS 10/1000/1000
Tensile strength	Value	Curing	Test standard
	~ 8.0 N/mm <sup>2</sup>	7 d @ 23°C/50% R.H.	DIN 53 455
Tensile strain at break	Value	Curing	Test standard
	~ 9.0%	7 d @ 23°C/50% R.H.	DIN 53 455
Tear strength	Value	Curing	Test standard
	~ 11.1 N/mm <sup>2</sup>	7 d @ 23°C/50% R.H.	DIN 53 515
Temperature resistance	<b>FLASH POINT</b>		
	Mixed product: 25°C	Component A: 25°C	Component B: 42°C

## SYSTEMS

Systems	Specifically intended for use as part of the the cooling tower coating system: <ul style="list-style-type: none"> <li>▪ Icosit®-2406</li> <li>▪ Sikagard®-363</li> </ul>
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## APPLICATION INFORMATION

Mixing ratio	Component A : Component B = 85 : 15 (percentage by weight)		
Consumption	~ 0.3 – 0.5 kg/m <sup>2</sup> per application		
Ambient air temperature	+ 10°C min. / + 30°C max.		
Substrate temperature	+ 10°C min. / + 30°C max.		
Curing time	Between Sikagard®-363 coats:		
		Min.	Max.
	10°C	24 hours	5 days
	20°C	15 hours	3 days
	30°C	8 hours	2 days
Applied product ready for use	Pedestrian traffic after 24 hours at + 10°C. Full chemical and mechanical exposure after 7 days.		

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The primer coat must be hardened, any surface contamination must be removed from the cured primer coat by washing with a suitable wetting agent or pressure washing with clean water.

### MIXING

Stir part A mechanically before mixing the 2 compon-

ents together. Mix parts A + B together in the specified mixing ratio with an electric mixer. The mixing time must be at least 3 minutes and is completed when a fully homogeneous mixture is obtained. Decant the mixed material into a clean container and briefly mix again to ensure complete mixing.

## APPLICATION

Brush: With a suitable stiff brush  
Roller: With a short-pile nylon roller  
Airless spray: 190 bar, nozzle 0.66 mm, spraying angle 80°  
(Up to 4% Thinner C may be added.)

## CLEANING OF EQUIPMENT

Sika Thinner C

## 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.

## 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 / j Type sb) is 500 g/l (Limits 2010) for the ready to use product. The maximum content of Sikagard®-363 is < 500 g/l 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, 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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