

PROVISIONAL PRODUCT DATA SHEET

Sikagard® Wallcoat T

2-PART WATER BASED EPOXY SEAL COAT

DESCRIPTION

Sikagard® Wallcoat T is a self priming, water based, coloured, epoxy resin based seal coat.

USES

Sikagard® Wallcoat T may only be used by experienced professionals.

- Application on concrete and cementitious substrates
- Coloured seal coat for interior wall surfaces of tunnels

CHARACTERISTICS / ADVANTAGES

- Solvent free
- Good mechanical and chemical resistance
- High build
- Impervious to liquids
- Easy to clean
- High resistance to carbonation
- Excellent decontamination properties
- Good opacity
- Odourless
- Easy to mix and to apply

SUSTAINABILITY

According USGBC LEED Rating Sikagard® Wallcoat T conforms to the requirements of LEED EQ Credit 4.2: Low –Emitting Materials: Paints & Coatings SCAQMD Method 304-91 VOC Content < 100g/l.

APPROVALS / CERTIFICATES

- ILF Magdeburg; Germany, report No. 3-063/2007, Decontamination of contaminated surfaces according DIN 25415 , May 2007
- Bodycote, Warrington Brandhaus, test report No. 2008-2023.1-K1, classification reaction to fire according EN 13501-1, November 2008
- LPM AG, test report A-28'544-2, surface protection system OS 2 according RiLi DafStb
- Hartl GmbH, test report 20961, tunnel coating for the interior tunnel shell according ÖVBB Guideline 07/04
- Polymer Institute, test report P4328-E, Determination of Water vapour permeability according EN ISO 7783-2 and EN ISO 12572
- ILF Magdeburg, test report 160770-2, wet scrub resistance according EN 13300
- Water dispersed roller coating according to CE-1504-2:2004, DoP 02 08 01 01 014 0 000004 1008, certified by Factory Production Control Body No. 0921, certificate 0921-CPR-2017, provided with the CE-mark.

PRODUCT INFORMATION

Chemical base	Epoxy resin, water borne		
Packaging	Comp. A:	14.60kg drum	
	Comp. B:	5.40kg drum	
	Comp. A:	270.00kg barrel	
	Comp. B:	200.00kg barrel	
Appearance / Colour	Glossy Standard colours: ~RAL 7031, ~RAL 7035, ~RAL 9003, ~RAL 9010, other colours on request		
Shelf life	Part A	12 months	
	Part B	12 months	
Storage conditions	Store properly in closed, sealed and undamaged packaging in dry conditions at temperatures between +5°C and +30°C. Protect from frost.		
Density	Comp. A:	~1.59kg/l	EN ISO 2811-1 (+23°C)
	Comp. B:	~1.07kg/l	
	Mixed product	~1.39kg/l	
Solid content by weight	~64%		
Solid content by volume	~50%		

TECHNICAL INFORMATION

Abrasion Resistance	~94mg (CS10/1000cy/1000g)		ASTM D 4060// ISO 9352:2012-4
Chemical Resistance	Chemical resistant to water and detergents used for the cleaning of tunnels.		
Thermal Resistance	Permanent	+50°C dry heat	
	max. 3 days	+80°C dry heat	
	max. 12 hours	+100°C dry heat	

APPLICATION INFORMATION

Mixing Ratio	by weight	Part A : Part B = 73 : 27	
	by volume	Part A : Part B = 65 : 35	
Consumption	~0.28kg/m² per layer		
Layer Thickness	~0.15mm		
Product Temperature	+10°C min. / +40°C max.		
Ambient Air Temperature	+10°C min. / +40°C max.		
Relative Air Humidity	max. 75%		
Dew Point	Substrate temperature min >3°C above dew point, beware of condensation		
Substrate Temperature	+10°C min. / +35°C max.		
Pot Life	+10°C	+20°C	+30°C
	~ 150min	~90min	~60min
Curing Time	+10°C	+20°C	+30°C
	3 h min. / 7 days max.	3 h min. / 7 days max.	2.5 h min./ 7 days max.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Refer to method statement "Surface Evaluation & Preparation".

MIXING

Refer to method statement "Mixing & Application".

APPLICATION

Apply by brush, roller or airless spray

CLEANING OF TOOLS

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.

LIMITATIONS

- This product may only be used by experienced professionals.
- With relative humidity >75% the over coating time increases by 24 hours.
- Variation of relative humidity while application may influence the gloss grade of the cured coating.
- Do not apply Sikagard® Wallcoat T on gypsum plaster boards when used in wet areas, i.e. shower rooms.
- Ensure good ventilation when applying Sikagard® Wallcoat T in confined areas to ensure full curing.
- Freshly applied Sikagard® Wallcoat T should be protected from condensation and water for at least 24 hours.
- For exact colour matching ensure the use of the same control batch numbers.

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 wb) is 150 / 100 g/l (Limits 2007 / 2010) for the ready to use product.

The maximum content of Sikagard®-Wallcoat T is < 100 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, 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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PROVISIONAL_SikagardWallcoatT_en_GR_(12-2017)_1_1.pdf

Provisional Product Data Sheet
Sikagard® Wallcoat T
December 2017, Version 01.01
020811020030000024