

## PRODUCT DATA SHEET

# Sikagard® Wallcoat N

### DESCRIPTION

Sikagard® WallCoat N is a two part, water based, coloured epoxy resin based seal coat.

### USES

Sikagard® WallCoat N may only be used by experienced professionals.

- Application on concrete and cementitious substrates
- Coloured seal coat for interior wall surfaces
- Suitable for clean rooms
- Suitable for production facilities in the food and beverage industry, car parks, storage and logistic areas

### 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 N 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

- Coating for concrete protection according the requirements of EN 1505-2/2004, DoP 0208070300100000021008, certified by FPC Notified Body and provided with CE-Marking
- Fraunhofer Institut, IPA, test report SI 1103-544, measurement of biological resistance according ISO 846, May 2011
- Fraunhofer Institut, IPA, test report SI 1103-544, outgassing properties according ISO 14644-8 ISO 16000-6, -9, -11, May 2011
- 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
- MPA Dresden, test report No. 2008-B-1002/02, reaction to fire according DIN 4102, part 1, April 2008

## PRODUCT INFORMATION

Composition	Epoxy resin, water based		
Packaging	Part A	14.60 kg drums	
	Part B	5.40 kg drums	
Appearance and colour	RAL 7032 (pebble grey), other on request		
Shelf life	12 month from date of production		
Storage conditions	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protected from direct sunlight.		
Density	Part A	approx. 1.58 kg/l	(EN ISO 2811-1)
	Part B	approx. 1.07 kg/l	
	Mixed resin	approx. 1.39 kg/l	
	Density values determined at +23°C		
Solid content by mass	~64%		
Solid content by volume	~50%		

## TECHNICAL INFORMATION

Abrasion resistance	94 mg (CS10/1000cy/100 0g)	(ASTM D 4060)
Tensile adhesion strength	> 1.5 N/mm <sup>2</sup> to concrete	(ISO 4624)
Chemical resistance	Please contact Sika technical service for specific information.	
Temperature resistance	<b>Exposure</b>	<b>Dry heat</b>
	Permanent	+50°C
	max. 3 days	+80°C
	max. 12 hours	+100°C

## APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 73 : 27 by weight / 65:35 by volume		
Consumption	approx. 0.28 kg/m <sup>2</sup> per layer		
Layer thickness	approx. 0.15 mm per layer		
Ambient air temperature	+10°C ... +40°C		
Relative air humidity	< 75%		
Substrate temperature	+10°C ... +30°C ≥3°C above dew point, beware of condensation		
Pot Life	<b>Temperature</b>	<b>Time</b>	
	+10°C	approx. 150 minutes	
	+20°C	approx. 90 minutes	
	+30°C	approx. 60 minutes	
Curing time	<b>Temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10°C	3 hours	7 days
	+20°C	3 hours	7 days
	+30°C	2.5 hours	7 days

## 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

This product may only be used by experienced professionals. With relative humidity >75% the over coating time increases by 24 hours. Do not apply Sikagard® WallCoat N on gypsum plaster boards when used in wet areas, i.e. shower rooms. Ensure good ventilation when applying Sikagard® WallCoat N in confined areas to ensure full curing. Freshly applied Sikagard® WallCoat N 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.

## 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 140 g/l (Limits 2010) for the ready to use product. The maximum content of Sikagard® WallCoat N is <140 g/l VOC for the ready to use product.

## APPLICATION INSTRUCTIONS

Prior to mixing stir part A mechanically. When all of part B has been added to part A mix continuously for 3 minutes until a uniform mixed has been achieved. Use a low speed electrical stirrer (300-400 rpm) to avoid air entrapment. To ensure proper mixing pour material into a clean container and stir again. Apply by brush, roller or airless spray.

## CLEANING OF EQUIPMENT

Clean all tools with Water immediately after use. Hardened and/or cured material can only be removed mechanically.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S  
Hirsemarken 5  
3520 Farum  
Tlf. +45 48 18 85 85  
www.sika.dk



PRODUCT DATA SHEET  
Sikagard® WallCoat N  
December 2022, Version 03.01  
020811020030000007

SikagardWallCoatN-en-DK-(12-2022)-3-1.pdf