BUILDING TRUST

PRODUCT DATA SHEET

Sikagard® WallCoat N

2-part water dispersed epoxy coating

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

APPROVALS / CERTIFICATES

- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating
- Biological Resistance ISO 846, SikaGard® Wallcoat N, CSM Fraunhofer, Approval No
- Decontamination of Contaminated Surfaces DIN 25415, Sikagard® WallCoat N, ILF, T
- Fire testing EN 13501, SikaGard® Wallcoat N, Bodycote, Report No. 2008-2023.1-K1

PRODUCT INFORMATION

Composition	Epoxy resin, water based	
Packaging	Part A	14.60 kg drums
	Part B	5.40 kg drums
Shelf life	12 month from date of production	
Storage conditions	The packaging must be stored properly in original, unopend and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protected from direct sunlight.	

Appearance and colour	RAL 7032 (pebble grey), other on request		
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/mm² to concrete	(ISO 4624)

Temperature resistance

Exposure	Dry heat
Permanent	+50°C
max. 3 days	+80°C
max. 12 hours	+100°C

Short-term moist/wet heat* up to +80°C where exposure is only occasional (i.e. during steam cleaning etc.)
*No simultaneous chemical and mechanical exposure.

Chemical resistance

Resistant to many chemicals. Please contact Sika technical service for specific information.

APPLICATION INFORMATION

Mixing ratio

Part A : Part B = 73 : 27 by weight / 65:35 by volume

Consumption

approx. 0.28 kg/m² per layer
Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Layer thickness

approx. 0.15 mm per layer

Material temperature	Maximum	+30 °C
	Minimum	+10 °C
Ambient air temperature	Maximum	+40 °C
	Minimum	+10 °C

Relative air humidity

< 75 %
Note: With relative humidity > 75 % the over coating time increases by 24 hours.

Substrate temperature

Maximum	+30 °C
Minimum	+10 °C

Beware of condensation!
Note: Substrate temperature must be +3 °C above the dew point.

Pot Life

Temperature	Time
+10°C	approx. 150 minutes
+20°C	approx. 90 minutes
+30°C	approx. 60 minutes

Curing time

Temperature	Minimum	Maximum
+10 °C	3 hours	7 days
+20 °C	3 hours	7 days
+30 °C	2.5 hours	7 days

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

IMPORTANT
Strictly follow installation procedures
Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

MIXING

1. Mix Part A (resin) for ~30 seconds.
2. Add Part B (hardener) to Part A.
3. Mix continuously for 3 minutes, until a uniform mix is achieved.
   Note: Use a low speed electrical stirrer (300–400 rpm) to avoid air entrapment.
4. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT
Good ventilation
Always ensure good ventilation when applying the Product in a confined space.
IMPORTANT
Protect from moisture
After application, protect the Product from damp, condensation and direct water contact for at least 24 hours.

IMPORTANT
Substrate suitability
Do not apply the Product on gypsum plaster boards when used in wet areas such as shower rooms.
1. 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

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 exact product data and uses.

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.