BUILDING TRUST

PRODUCT DATA SHEET

Sikagard®-62

2 –PART EPOXY PROTECTIVE COATING

DESCRIPTION

Sikagard®-62 is a two part, rigid, 100% solids, coloured high build epoxy resin based protective coating.

USES

Sikagard®-62 may only be used by experienced professionals.

- Chemical resistant protective layer on concrete, stone, cementitious mortars and renderings, epoxy cement, epoxy resin based products and steel
- Lining in storage tanks and silos
- Anti-corrosion coating on steel in food processing plants, sewage works, farms, agricultural enterprises, chemical and pharmaceutical facilities and beverage industry

CHARACTERISTICS / ADVANTAGES

- Solvent free
- Good mechanical and chemical resistance
- High build
- Impervious to liquids
- Easy to mix and to apply

SUSTAINABILITY

According USGBC LEED Rating Sikagard®-62 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 1504-2:2004, Declaration of Performance 02060601001000000011008, certified by FPC Notified Body and provided with CE marking
- WRAS, test report No. M104991, 2011, Contact with water for wholesome purposes according BS 6920-1:2000

PRODUCT INFORMATION

Composition	Epoxy resin	
Packaging	Part A	3.75 kg drums
	Part B	1.25 kg drums
Appearance / Colour	RAL 7032 (pebble grey), other on request	
Shelf life	Part A: 12 months Part B: 12 months From date of production if stored properly.	

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.			
Density	Part A	approx. 1.45 kg/l		(EN ISO 2811-1)
	Part B	approx. 1.02 kg/l		
	Mixed resin approx. 1.37 kg/l Density values determined at +23°C			
Solid content	~ 100 %			

TECHNICAL INFORMATION

Shore D Hardness	approx. 80			(DIN 5305)
Mechanical Resistance	Taber Abraser	CS 10/ 1000/ 1000	24.4mg	(ASTM D 4060)
	Taber Abraser	CS 17/ 1000/ 1000	70 mg	
	Taber Abraser	H 22/ 1000/ 1000	560.6mg	
Tensile Adhesion Strength	> 1.5 N/mm² to conrete			(ISO 4624)

Chemical Resistance

		Exposure period and performance rating			
Test medium	**Test Temp. °C**	**1 day**	**7 days**	**30 days**	**12 Months**
Acetone	20	A	C	-	-
Acrylonitrile	20	A	A	A	A
Ethanol	20	A	A	A	-
	40	A	B	C	-
Ethanol / water 60: 40	20	A	A	A	A
Formic acid 10%	20	A	A	A	B
Ammoniac 10%	20	A	A	A	A
	40	A	A	A	AD
Distilled water	20	A	A	A	A
	40	A	A	A	AD
	60	A	A	A	BD
Detergents (e.g. liquid Ajax")	20	A	A	A	A
	40	A	A	A	AD
Iron-III-chloride solution 35%	20	A	A	AD	AD
	40	A	A	AD	AD
Iron-II-sulphate solution	20	A	AD	AD	
	40	A	AD	AD	
Acetic ester	20	A	B	C	-
Acetic acid 20%	20	A	A	A	C
	40	A	A	A	-
Liquid manure	20	A	A	A	AD
	40	A	A	A	AD
Fuel oil (EMPA)	20	A	A	A	A
	40	A	A	A	A
	60	A	A	A	A
Hydraulic fluids (e.g. "Arcosate" ,"Skydrol"	20	A	A	A	A
	40	A	A	A	D
Javelle water 14% Cl2	20	A	A	AD	C
Potassium permanganate	20	A	A	B	-
Kerosene	20	A	A	A	A
	40	A	A	A	A
Soda solution (saturated)	20	A	A	A	A
	40	A	A	A	A
Methyl ethyl ketone MEK	20	A	C	-	-
Lactic acid 20%	20	A	A	A	C
	40	A	A	AD	-

A = Resistance to prolonged contact. B = Temporarily resistant , C = Breakdown of coating ,D = Discoloration of coating
For information about resistance to other media, please consult our technical Department

Temperature Resistance	**Exposure**	**Dry heat**
	Permanent	+50°C
	max. 7 days	+80°C
	max. 12 hours	+100°C

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 3 : 1 by weight
Consumption	approx. 0.30 kg/m² per layer
Layer Thickness	approx. 0.2 mm per layer
Ambient Air Temperature	+8 °C – +40 °C
Relative Air Humidity	< 80 %
Substrate Temperature	+8 °C – +4 0°C ≥3 °C above dew point, beware of condensation

Pot Life	**Temperature**	**Time**
	+10 °C	approx. 30 min
	+20 °C	approx. 20 min
	+30 °C	approx. 10 min

Waiting Time / Overcoating	**Temperature**	**Min.**	**Max.**	**Full cure**
	+10°C	~ 30 hours	~ 3 days	~ 14 days
	+20°C	~ 10 hours	~ 2 days	~ 10days
	+30°C	~ 6 hours	~ 1 day	~ 5 days

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 an 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 Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

This product may only be used by experienced professionals. Do not apply Sikagard®-62 on moist substrates Sag resistance on vertical surface is approx. 200µm. Freshly applied Sikagard®-62 must be protected from damp, condensation and water for at least 24 hours For exact colour matching ensure the use f 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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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