

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. Suitable for hot and tropical climatic conditions.

USES

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

- Chemical resistant protective layer on concrete, structural cementitious mortars, 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

- Total solid
- 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 < 100 g/l

PRODUCT INFORMATION

Composition	Epoxy resin	
Packaging	Part A	3.75 kg drums
	Part B	1.25 kg drums
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, unopened 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	~1.45 kg/l	(EN ISO 2811-1)
	Part B	~1.02 kg/l	
	Mixed resin ~1.37 kg/l		
Density values determined at +23 °C			

TECHNICAL INFORMATION

Shore D Hardness	~80	(DIN 5305)	
Mechanical resistance	Taber Abraser CS 10/1000/1000	~27 mg	(ASTM D 4060)
	Taber Abraser CS 17/1000/1000	~70 mg	
	Taber Abraser H 22/1000/1000	~560 mg	
Tensile adhesion strength	> 1.5 N/mm ² to concrete	(ISO 4624)	
Temperature resistance	Exposure	Dry heat	
	Permanent	+50 °C	
	Max. 7 d	+80 °C	
	Max. 12 h	+100 °C	
Chemical resistance	Please contact Sika Technical Service for specific information.		

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 3 : 1 (by weight)			
Consumption	~0.30 kg/m ² per layer			
Layer thickness	~0.2 mm per layer			
Ambient air temperature	+8 °C min. / +40 °C max.			
Relative air humidity	< 80 %			
Substrate temperature	+8 °C min. / +40 °C max. ≥ 3 °C above dew point, beware of condensation			
Pot Life	Temperature	Time		
	+10 °C	~30 min		
	+20 °C	~20 min		
	+30 °C	~10 min		
Waiting time to overcoating	Temperature	Min.	Max.	Full cure
	+10 °C	~30 h	~3 d	~14 d
	+20 °C	~10 h	~2 d	~10 d
	+30 °C	~6 h	~1 d	~5 d

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.

FURTHER INFORMATION

- General Method Statement for Sikagard®-62.
- Substrate quality & Preparation: Please refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".
- Application instructions: Please refer to Sika Method Statement: "MIXING & APPLICATION OF FLOORING SYSTEMS".
- Maintenance: Please refer to "Sikafloor®- CLEANING REGIME".

IMPORTANT CONSIDERATIONS

- Do not apply Sikagard®-62 on substrates with rising moisture.
- Freshly applied Sikagard®-62 should be protected from damp, condensation and water for at least 24 hours.
- Apply on a falling temperature. If applied during rising temperatures “pin holing” may occur from rising air.
- These pinholes can be closed after a soft grinding by applying a scratch coat of Sikafloor®-151/-161 mixed with approximately 3 % of Extender T, or by applying Sikafloor® -PS / -101 PS epoxy putty.

Construction joints require pre-treatment. Treat as follows:

- Static Cracks: prefill and level with Sikadur® or Sikafloor® epoxy resin
- Dynamic cracks: to be assessed and if necessary apply a strip coat of elastomeric material or design as a movement joint

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

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

SUBSTRATE PREPARATION

- The substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MIXING

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 thorough mixing, pour materials into a clean container and mix again for at least 1,0 minute to achieve a smooth consistent mix. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures. Apply Sikagard®-62 onto the prepared substrate evenly using a roller, brush or airless spray at the required consumption rate.

CLEANING OF EQUIPMENT

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

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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.

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