

PRODUCT DATA SHEET

Sikagard®-62 AU

2-PART EPOXY PROTECTIVE COATING / LINING SYSTEM

DESCRIPTION

Sikagard®-62 AU is a two part, rigid, 100 % solids, coloured high build epoxy resin based protective coating with high resistance to abrasion and chemical attack.

USES

Sikagard®-62 AU 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 for chemical bunded areas, food and beverage processing plants, sewage works, water retaining structures, chemical and pharmaceutical facilities.

FEATURES

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

CERTIFICATES AND TEST REPORTS

Potable Water approved to AS/NZS 4020:2018 - Testing of products for use in contact with drinking water

PRODUCT INFORMATION

Composition	Epoxy-based resin	
Packaging	Part A	8.4 kg tin
	Part B	3.0 kg tin
	Sikafloor Pigment x 1	1.15kg
	Total Kit	12.55kg - 9.2L
Appearance and colour	RAL colour range - refer to Sika colour chart	
Shelf life	Part A: 24 months Part B: 24 months From the date of production, if stored according to the specified storage conditions.	
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. Protect from direct sunlight.	
Density	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	24.4 mg	(ASTM D 4060)
	Taber Abraser CS 17/1000/1000	70 mg	
	Taber Abraser H 22/1000/1000	560.6 mg	
Tensile adhesion strength	> 1,5 N/mm² to concrete		(ISO 4624)
Chemical resistance	Please contact Sika Technical Services for specific information.		
Temperature resistance	Exposure	Dry heat	
	Permanent	+50 °C	
	Maximum 7 days	+80 °C	
	Maximum 12 hours	+100 °C	

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 3 : 1 by weight 2.1 : 1 by volume			
Consumption	~0.25 - 0.35 L m ² per layer depending on system structure requirements			
Layer thickness	~0.2 - 0.3 mm per layer depending on substrate condition, method application and temperature. Recommended number of coats - minimum 2 and possibly 3 depending on required film build for the given environment.			
Ambient air temperature	+8 °C min. / +40 °C max.			
Relative air humidity	< 80 %			
Substrate temperature	+8 °C min. / +40 °C max. Minimum 3 °C above dew point, beware of condensation!			
Pot Life	Temperature	Working Time		
	+10 °C	~30 minutes		
	+20 °C	~20 minutes		
	+30 °C	~10 minutes		
Waiting time to overcoating	Temperature	Min.	Max.	Full Cure
	+10 °C	~30 hours	~3 days	~14 days
	+20 °C	~10 hours	~2 days	~10 days
	+30 °C	~6 hours	~1 day	~5 days

SYSTEM INFORMATION

Systems

Standard Three Coat System: (DFT: from 600um - 800um)

Layer system	Product
Primer	Sikafloor®-160 or Sikafloor® 161
1 st Coat	Sikagard®-62 AU
2 nd Coat	Sikagard®-62 AU

Fibreglass Laminate System: (DFT: from 1000um - 1200um) Subject to Glass thickness

Layer system	Product
Primer	Sikafloor®-160
Laminate	Sikafloor®-160 with Fibreglass
1 st Coat	Sikagard®-62 AU
2 nd Coat	Sikagard®-62 AU

Sikagard®-720 EpoCem® ID System: (DFT: 1200um +) Subject to thickness of Sikagard®-720 EpoCem® ID: Typically used on High Wear, Damaged or High moisture content substrate applications:

Layer system	Product
Temporary moisture barrier (TMB)	Sikagard®-720 EpoCem® ID
1 st Coat	Sikagard®-62 AU
2 nd Coat	Sikagard®-62 AU

Please refer to individual Product Data Sheets and consult the Sika Technical Department for specific Consumption Priming and Coverage Information pertaining to project requirements:

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

- Do not apply Sikagard®-62 AU on moist substrates.
- Sag resistance on vertical surface is approx. 200 µm.
- Freshly applied Sikagard®-62 (AU) must be protected from damp, condensation and water for at least 24 hours.
- For exact colour matching ensure using material from 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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate must be sound, clean, dry, free from contaminants such as dirt, grease, oil, old coatings, release agents, laitance and other adhesion preventing or influencing substances.

On high absorbent, non-sound or non cement based substrates precautions have to be taken and a suitable primer has to be used.

SUBSTRATE PREPARATION

Concrete Substrate

Concrete substrate must be prepared mechanically to achieve an open textured surface.

Weak areas in the substrate must be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. Open voids and blowholes need to be closed with a suitable Sika® pore filling mortar. The roughness of the substrate needs to be levelled with a suitable Sika® rendering and levelling mortar.

Steel Surface

Steel surface must be prepared mechanically using abrasive

blast cleaning. The level SSPC-SP 10 "near white metal blast cleaned" or level Sa 2 ½ according to ISO EN 12944-4 has to be achieved. Welds and joints have to be prepared according to EN 14879, part 1. After blast cleaning remove all dust dirt and blasting material.

In order to maintain the surface conditions after blast cleaning air-conditioning is recommended.

MIXING

Prior to mixing stir Part A mechanically. Then add required pigment and stir for a further 1 minute. Add all Part B to Part A and mix continuously for 3

minutes until a uniform mix 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. Do not mix by hand!

APPLICATION

Apply by brush, roller or airless spray onto the prepared and primed surface. After drying the first layer, apply the second layer. Optionally a third layer or more can be applied for extra protection in case of very harsh conditions to be expected. For details on spray application, please consult Sika Technical Department for further information.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with thinner immediately after use. Hardened 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

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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Product Data Sheet
Sikagard®-62 AU
October 2026, Version 02.01
020303120020000043

Sikagard-62AU-en-AU-(10-2026)-2-1.pdf

