

PRODUCT DATA SHEET

Sikagard[®]-62

2-PART EPOXY PROTECTIVE COATING

DESCRIPTION

Sikagard[®]-62 is a 2-pack solvent-free high build coating material based on epoxy resin.

USES

As an abrasion-resistant universal coating material designed for normal to moderately aggressive chemical environments. Sikagard[®]-62 is suitable for use on concrete, stone, cementitious mortars and renderings (not polymer-modified), epoxy cements (EpoCem), epoxy mortars, iron and steel.

For linings in storage tanks and silos, bund areas. As anti-corrosion coating in food-processing plants,

sewage works, farms and agricultural enterprises, chemical and pharmaceutical plants, beverage industries and bottling plants.

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / STANDARDS

Tested according to ISO 4624

PRODUCT INFORMATION

Chemical Base	Epoxy resin	
Packaging	Part A	7.5 kg containers
	Part B	2.5 kg containers
	Part A+B	10.0 kg ready to mix units
Appearance / Colour	Resin - Part A:	Coloured, liquid
	Hardener - Part B:	Transparent, liquid
	Pebble grey (RAL 7032). Additional colour shades on request.	
	Under sun radiation it may come to discolouration and colour deviation; this has no influence to the function of the coating.	
Shelf Life	12 months from date of production if stored properly in undamaged sealed containers	
Storage Conditions	Store in dry conditions at temperatures between +5 °C and +30 °C.	

Density	Part A	~1.45 kg/L
	Part B	~1.02 kg/L
	Mixed resin	~1.37 kg/L
	Density values determined at +23 °C	
Solid Content	~ 100 %	

TECHNICAL INFORMATION

Tensile Adhesion Strength	> 1.5 N/mm ² (Concrete failure)	(ISO 4624)								
Chemical Resistance	Please contact Sika technical service for specific information.									
Thermal Resistance	<table border="1"> <thead> <tr> <th><u>Exposure</u></th> <th><u>Dry heat</u></th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>+50 °C</td> </tr> <tr> <td>Short-term max. 7 days</td> <td>+80 °C</td> </tr> <tr> <td>Short-term max. 12 hours</td> <td>+100 °C</td> </tr> </tbody> </table> <p>Short-term humid heat* up to +80°C where exposure is only occasional (steam cleaning etc.). *No simultaneous chemical load.</p>	<u>Exposure</u>	<u>Dry heat</u>	Permanent	+50 °C	Short-term max. 7 days	+80 °C	Short-term max. 12 hours	+100 °C	
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SYSTEM INFORMATION

System Structure	Roller coating: Primer: 1 x Sikagard®-62 Coating: 2 - 3 x Sikagard®-62
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APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 75 : 25 by weight		
Consumption	Coating System	Product	Consumption
	Roller coating		
	Priming	Sikagard®-62	0.3 - 0.5 kg/m ²
	Roller coating	Sikagard®-62	0.3 - 0.7 kg/m ² per coat, depending on substrate condition and coating thickness required
	For a theoretical dry film thickness of 100 microns (0.1 mm) approx. 0.14 kg/m ² . These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.		
Substrate Moisture Content	≤ 4% moisture content. Test method: Sika®-Tramex or CM. No rising moisture according to ASTM (Polyethylene-sheet).		
Ambient Air Temperature	+8 °C min, +30 °C max		
Relative Air Humidity	80% r.h. max		
Substrate Temperature	+8°C min, +30 °C max		
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3°C above the dew point to reduce the risk of condensation or blooming on the floor finish.		
Pot Life	Temperature	Time	
	+10 °C	~30 min.	
	+20 °C	~20 min.	
	+30 °C	~10 min.	

Waiting Time / Overcoatability

Before applying Sikagard®-62 on Sikagard®-62 allow:

Substrate Temperature	Minimum	Maximum
+10 °C	30 hours	3 days
+20 °C	10 hours	2 days
+30 °C	6 hours	1 days

Times are approximate and will be affected by changing ambient conditions.

Curing Time

Applied Product Ready For Use

Temperature	Foot Traffic	Light Traffic	Full Cure
+10 °C	~2 days	~5 days	~14 days
+20 °C	~1 day	~4 days	~10 days
+30 °C	~18 hours	~2 days	~5 days

Times are approximate and will be affected by changing ambient conditions

APPLICATION INSTRUCTIONS

MIXING TIME

Prior to mixing stir Part A mechanically. When all of Part B has been added to Part A continuously mix for 3 minutes until a uniform mix has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.

Over mixing must be avoided to reduce air entrainment.

MIXING TOOLS

Sikagard®-62 must be mechanically mixed using an electric power stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point.

Coating:

Sikagard®-62, can be applied with a distemper brush, a short-piled, solvent resistant, non-fuzzy roller or by airless spray equipment

CLEANING OF TOOLS

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

LIMITATIONS

Do not apply Sikagard®-62 on substrates in which significant vapour pressure may occur.

If > 4% moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Sag resistance on vertical surface: < 300 µm (wet film thickness)

Freshly applied Sikagard®-62 must be protected from damp, condensation and water for at least 24 hours.

Avoid puddles on surface.

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

For exact colour matching, ensure Sikagard®-62 is applied from 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 declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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.

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