

BUILDING TRUST

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

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

- 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 (Epo-Cem), 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 chemical and mechanical resistance
- Easy to mix and work
- High-build
- Impervious to liquids

Chemical base	Epoxy resin		
Packaging	Part A	9 kg/pail	
	Part B	3 kg/pail	
	Part A+B	12 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.		
Storage conditions	The packaging must be stored properly in original, unopened and undam- aged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Protected from direct sunlight.		

PRODUCT INFORMATION

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Density	Part A: ~ 1.45 kg/l Part B: ~ 1.02 kg/l Mixed resin: ~ 1.37 kg/l All density values at +23 °C.	/l 23 °C.	
Solid content by weight	~ 100 %		
Solid content by volume	~ 100 %		

TECHNICAL INFORMATION

Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concre	te) (ISO 4624
CHEMICAL RESISTANCE	See separate chemical resistance list	
Thermal Resistance	Exposure	Dry heat
	Permanent	+50 °C
	Short-term max. 7 days	+80 °C
	Short-term humid heat* up to +80°C where exposure is only occasional (steam cleaning etc.). *No simultaneous chemical load	

SYSTEM INFORMATION

Systems	Roller coating		
	Primer	1 x Sikagard [®] -62	
	Coating	2 - 3 x Sikagard®-62	

APPLICATION INFORMATION

atio Part A : Part B = 75 : 25 (by weight)			
Roller coating			
Coating System	Product	Consumption	
Priming	Sikagard [®] -62	0.3–0.5 kg/m ²	
Roller coating	Sikagard®-62	0.3–0.5 kg/m ² per coat, depending on sub- strate condition and coating thickness re- quired	
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.			
+8 °C min. / +30 °C max.			
< 80 % r.h. max			
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.			
+8 °C min. / +30 °C max.			
4 % moisture content. Test method: Sika® Tramex or CM. No rising mois- ture according to ASTM (Polyethylene-sheet).			
Max. open times			
Temperature	Time		
+10 °C	~30 mi	n	
+20 °C	~20 mi	n	
+30 °C	~10 mi	n	
	Part A : Part B = 75 : 25 Roller coating Coating System Priming Roller coating For a theoretical dry fill kg/m ² . These figures ar material required due t or wastage etc. +8 °C min. / +30 °C max < 80 % r.h. max Beware of condensatio The substrate and uncut to reduce the risk of co +8 °C min. / +30 °C max 4 % moisture content. T ture according to ASTM Max. open times Temperature +10 °C +20 °C +30 °C	Part A : Part B = 75 : 25 (by weight) Roller coating Product Priming Sikagard®-62 Roller coating Sikagard®-62 Roller coating Sikagard®-62 For a theoretical dry film thickness of 100 mid kg/m². These figures are theoretical and do n material required due to surface porosity, sur or wastage etc. +8 °C min. / +30 °C max. < 80 % r.h. max	

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

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

Applied product ready for use

Temperature	Foot Traffic	Light Traffic	Full cure
+ 10 °C	~ 2 days	~ 5 days	~ 14 days
+ 20 °C	~ 1 days	~ 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

SUBSTRATE QUALITY

The concrete 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.

If in doubt apply a test area first.

SUBSTRATE PREPARATION

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 blowholes 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.

The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

High spots must be removed by e.g. grinding. All dust, loose and friablematerial must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Steel and iron surfaces must be sandblasted (SA 2 1/2).

MIXING

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.

IMPORTANT CONSIDERATION

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.

Stability in 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 for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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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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