

PRODUCT DATA SHEET

Sikafloor®-359 SA

2-PART PUR TOUGH-ELASTIC COLOURED SEAL COAT

DESCRIPTION

Sikafloor®-359 SA is a two part tough-elastic, coloured, UV resistant, non-yellowing, polyurethane seal coat for smooth and broadcasted finishes. Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor®-359 SA may only be used by experienced professionals.

- UV resistant seal top coat with good mechanical resistance for broadcasted and smooth surfaces in industrial flooring.
- Particularly suitable for car park decks, ramps, warehouses, etc.

FEATURES

- Good abrasion and chemical resistance
- Gloss finish
- Easy application
- Slip resistant surface possible
- Easy to clean and maintain
- UV and Waether resistant and non-yellowing

PRODUCT INFORMATION

Composition	Polyurethane resin	
Packaging	Part A: 17.6 kg containers	Part A: 22.0 kg containers
	Part B: 2.4 kg containers	Part B: 3.0 kg containers
	Part A + B: 20.0 kg ready to mix units	Part A + B: 25.0 kg ready to mix units
Shelf life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging.	
Storage conditions	Store in dry conditions in original sealed packaging and at temperatures between +5 °C and +30 °C.	
Appearance and colour	Resin - Part A: Coloured liquid Hardener - Part B: Transparent liquid Available in wide range of colour shades. Please request local Sika representative for standard colour chart.	
Density	Mixed resin: ~1.47 kg/l (+25 °C), may vary with colour	
Solid content by volume	~57 %	

TECHNICAL INFORMATION

Temperature resistance	Exposure*	Dry heat
	Permanent	+50 °C
	Short-term max. 7 d	+80 °C

Short-term moist / wet heat* up to +80 °C where exposure is only occasional (high pressure water jetting etc.)

*No simultaneous chemical and mechanical exposure.

SYSTEM INFORMATION

Systems	Suitable as top seal coat for different base coats: Sikafloor®-264, Sikafloor®-264 SG, Sikafloor®-263 SL, Sikafloor®-324, Sikafloor®-3240, etc.. For UV exposed areas the use of Sikafloor®-359 SA as a seal coat is highly recommended. For application on inclined / sloping surfaces, addition of Sika® Extender T is recommended. For additional information, please contact Sika's Technical Department.
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APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 88 : 12 (by weight)			
Consumption	~0.25 kg/m ² /coat, depending on system, exposure and area of application. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc..			
Ambient air temperature	+5 °C min. / +35 °C max.			
Relative air humidity	80 % r.h. max.			
Dew point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.			
Substrate temperature	+10 °C min. / +35 °C max.			
Substrate moisture content	< 4 % pbw moisture content. Test method: Sika®-Tramex meter, CM – measurement or oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).			
Pot Life	Temperature	Time		
	+35 °C	~1 hour		
Curing time	Before applying Sikafloor®-359 SA on basecoats allow waiting time of:			
	Substrate temperature	Minimum	Maximum	
	+10 °C	~36 h	~72 h	
	+20 °C	~24 h	~48 h	
	+30 °C	~16 h	~36 h	
* On fully broadcasted basecoats no maximum waiting time applies. Make sure the fully broadcasted surface is free of dirt, oil, dust or any other contamination. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. Refer to PDS of relevant base coat for more information.				
Applied product ready for use	Temperature	Foot Traffic	Light Traffic	Full cure
	+10 °C	~12 h	~7 d	~14 d
	+20 °C	~8 h	~3 d	~7 d
	+30 °C	~4 h	~3 d	~5 d
Note: Times are approximate and will be affected by changing ambient conditions.				

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

- **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".

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor®-359 SA must be protected from damp, condensation and water for at least 24 hours.
- Sikafloor®-359 SA applied at different thicknesses can lead to different degrees of gloss finish.
- When applied in exposed areas e.g. on direct sunlight or exposed to high winds, quicker drying may be expected due to fast solvent release, which may lead to reduced working (open) time.
- On elevated temperatures, precondition the material on temperatures between +18 °C and +23 °C to avoid fast solvent evaporation when material is in contact with high temperature substrate. Shade the working area. Avoid application on direct sunlight, preferably apply the material during evening hours with falling temperatures. Apply "test area" to assess actual curing time in regards to particular site conditions.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure Sikafloor®-359 SA in each area is applied from the same control batch numbers.

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

EQUIPMENT

Sikafloor®-359 SA must be thoroughly mixed using a low speed electric stirrer (300 to 400 rpm) or other suitable equipment.

SUBSTRATE QUALITY / PRE-TREATMENT

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. 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 grinding for example. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. For detailed information regarding substrate quality /pre-treatment please refer to the method statement.

MIXING

Mix full kits only. Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously 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 minimise air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point.

Seal coat: Sealer coats can be applied by squeegee and then back-rolled (crosswise) with a short-piled roller. For detailed information regarding application please refer to the method statement.

CLEANING OF EQUIPMENT

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

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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ISO 9001, 14001, 45001 –
Lloyd's Register
Sika S.A.C. LLC
Sika International Chemicals LLC
ISO 9001, 14001, 45001 – SGS
Sika Gulf S.S.C. O.
ISO 9001, 14001 – SGS
Sika Saudi Arabia Limited

All products are supplied under
a management system certified
to conform to the requirements
of the quality, environmental
and occupational health &
safety standards ISO 9001, ISO
14001 and ISO 45001.



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