

PRODUCT DATA SHEET

Sikafloor®-359 SG

2-PART PUR TOUGH-ELASTIC COLOURED SEAL COAT



DESCRIPTION

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

- Abrasion resistant seal coat with high mechanical resistance for broadcast systems with crack-bridging properties in industrial flooring
- Particularly suitable for car park decks, ramps and warehouses etc.

CHARACTERISTICS / ADVANTAGES

- Tough-elastic
- UV resistant
- Good mechanical and chemical resistance
- Watertight
- Non-yellowing
- Easy application
- Slip resistant surface possible
- Easy to clean and maintain

SUSTAINABILITY

Sikafloor®-359 SG is certified according "Low Emitting Materials as per Al Sa'fat - Dubai Green Building Evaluation System" by Dubai Central Laboratory,(DCL) certificate No. CL17020432.

APPROVALS / CERTIFICATES

Solar Reflectance Index (SRI) tested in accordance with ASTM E1980 at Dubai Central Laboratory (DCL), report no. 100220292

PRODUCT INFORMATION

Composition	Polyurethane
Packaging	Part A: 16.5 kg containers Part B: 3.5 kg containers Part A + B: 20.0 kg ready to mix units
Appearance / Colour	Resin - Part A: Coloured liquid Hardener - Part B: Transparent liquid Check local standard colour range
Shelf life	12 months minimum 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 +35 °C.
Density	Mixed resin: ~1.19 kg/l (25 °C), may vary with colour
Solid content by weight	~65 %

TECHNICAL INFORMATION

Abrasion Resistance	<90 mg (CS 10 / 1000 / 1000) (7 d / 23 °C)		(DIN 53 109)
Chemical Resistance	Resistant against many chemicals. Please ask for a detailed chemical resistance table.		
Temperature Resistance	Exposure*	Dry heat	
	Permanent	+50 °C	
	Short-term max. 7 d	+80 °C	
	Short-term max. 4 h	+100 °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.			

SYSTEMS

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

Mixing Ratio	Part A : Part B = 82.5 : 17.5 (by weight)		
	Note: Mix full kits only		
Consumption	~0.25 - 1.0 kg/m ² 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	+10 °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	<p>< 4 % pbw moisture content.</p> <p>Test method: Sika®-Tramex meter, CM – measurement or oven-dry-method.</p> <p>No rising moisture according to ASTM (Polyethylene-sheet).</p>		
Pot Life	Temperature	Time	
	+10 °C	~40 min	
	+20 °C	~25 min	
	+30 °C	~15 min	
Curing Time	Before applying Sikafloor®-359 SG 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 con-

tamination.

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Applied Product Ready for Use	Temperature	Foot Traffic	Light Traffic	Full cure
	+10 °C	~48 h	~5 d	~10 d
	+20 °C	~24 h	~3 d	~7 d
	+30 °C	~16 h	~2 d	~3 d

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

APPLICATION INSTRUCTIONS

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 example grinding.

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.

MIXING TOOLS

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

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 product 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.

MAINTENANCE

To maintain the appearance of the floor after application, Sikafloor®-359 SG must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

FURTHER INFORMATION

Relevant Method Statements, for example:

- Evaluation and preparation of surfaces for flooring systems
- Mixing & Application of Flooring Systems

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor®-359 SG must be protected from damp, condensation and water for at least 24 hours.
- Avoid puddles on the surface with the primer.
- 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.
- For exact colour matching, ensure the Sikafloor®-359 SG in each area is applied from the same control batch numbers.

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.

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 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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OHSAS: Sika UAE LLC,
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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 OHSAS
18001.

Sikafloor-359SG-en-AE-(10-2019)-2-3.pdf

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October 2019, Version 02.03
020812050030000014

