

PRODUCT DATA SHEET

Sikafloor®-359 EG

SIKAFLOOR®-359 EG IS A TWO PART TOUGH-ELASTIC, COLOURED, NON-YELLOWING , UV-RESISTANT PROTECTIVE TRAFFIC COATING

DESCRIPTION

Sikafloor®-359 EG is a two component hardwearing , colored polyurethane coating designed for application in heavily external trafficked areas where it provides a UV-resistant, hard-elastic surface resistant to abrasion.

USES

Sikafloor®-359 EG 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 used in Car Park Decks , Vehicle ramps and Traffic aisles .

CHARACTERISTICS / ADVANTAGES

- Tough hard wearing flexible film, with excellent colour retention and weathering resistance.
- Good mechanical and chemical resistance .
- Non-yellowing. & Watertight .
- Good opacity.
- Easy to apply & can be easily over coated after long exposure periods.
- Slip resistant surface possible.

PRODUCT INFORMATION

Composition	Polyurethane
Packaging	Part A: 18.0 kg Part B: 2.0 kg Part A+B: 20 kg ready to mix units
Appearance / Colour	Glossy Grey Color is the standard , other colors are available upon request .

Shelf life	12 months from date of production if stored properly in original unopened packing.		
Storage conditions	Store in shade away from direct sunlight and in dry conditions.		
Density	Part A: ~ 1.14 kg/l Part B: ~ 0.96 kg/l Mixed resin: ~ 1.45 kg/l	(DIN EN ISO 2811-1)	
	All Density values at +20°C.		
Solid content	~ 63 ± 2% by volume		
Volatile organic compound (VOC) content	~ 539 g/l (Type of regulate paint under the Air Pollution Control (Volatile Organic Compounds))		
Shore D Hardness	~ 53	ASTM D2240	
Abrasion Resistance	~ 149 mg	(CS10 , 1000 Cycles , 1000 g)	ASTM D4060
Compressive Strength	~ 31 N/mm2	ASTM C579 - Method B	
Tensile Strength in Flexure	~ 2.37 N/mm2	ASTM C580	
Elongation at Break	~ 280%	ASTM D412	
Tensile Adhesion Strength	~ 1.37 N/mm2 Failure in concrete	ASTM D4541 (Pull off)	
Tear Strength	~ 107 N	ASTM D1004	
Chemical Resistance	Resistant to many chemicals. Please ask for a detailed chemical resistance table.		
Systems	<ul style="list-style-type: none"> ▪ Primer : After the surface preparation had been completed , priming the surface will be high needed using Sikafloor 161 ▪ Intermediate layer : First coat could be either epoxy (Sikafloor 92 EG) or polyurethane (Sikafloor 359 EG) ▪ Final top layer : Finish coat using Sikafloor 359 EG <p>A slip resistant finish can also be achieved by evenly spreading Sikadur Aggregates on the wet applied first coat of Sikafloor 92 EG where it is still tacky .</p>		
Mixing Ratio	Comp(A) : Comp (B) = 9 : 1		
Consumption	Sikafloor 359 EG is used as a top final coat with consumption (0.25 - 0.35)Kg/m2		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- The long term durability of any resin floor system is determined by the adhesive bond achieved between the flooring material and the substrate . It is most important therefore that substrates are correctly prepared prior to application .
- These should normally have been placed for at least 28 days and have a moisture content of less than 5%
- Floors should be sound , clean and free from contamination such as oil , grease , paint splashes , curing compounds , laitance and any loose material .
- Cavities or defects on the surface must be treated and filled using suitable material (eg. Mortar from Sikafloor 161)
- Mechanical means of preparation (such as light grit blasting , high pressure water jetting or grinding) are preferred followed by the removal of dust and other

loose debris using as industrial vacuum .

- Pull off test will be preferable to be accomplished before start on main floor body system`s application achieving the minimum 1.5 N/mm2

MIXING

- Stir component (A) thoroughly with an electric stirrer prior to batching.
- Add component (B) in the correct mix ratio and mix for 2-3 minutes at a low speed until a homogeneous mix is achieved.

APPLICATION

Brush/Roller In order to achieve an even and uniform coverage of the surface at least the first application should be carried out by brush. Application by roller, especially for the second application, is possible, whereby the roller should be pressed firmly to the surface .

CLEANING OF EQUIPMENT

Clean all tools and equipment immediately after use with Colma-Cleaner. Once hardened, the material can only be removed mechanically.
Wash soiled hands and skin thoroughly with hot soapy water.

IMPORTANT CONSIDERATIONS

- Cementitious substrate must be at least 3 weeks old.
- Maximum moisture content of substrate < 4%
- The substrate must be of sufficient strength (min. compressive strength 25 N/mm²).
- Maximum relative humidity 75%.
- Substrate temperature must be 3°C above measured dew point.
- Minimum pull-off strength 1.5 N/mm².

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

Ecology

In a liquid state comp. (A+B) can contaminate water. Do not dispose of into water or soil but according to local regulations Transport

- Comp. (A): Non-hazardous.
- Comp. (B): Non-hazardous.

Safety precautions

This product can cause skin irritation to persons with sensitive skin. Always rub barrier cream into hands and exposed skin before starting work.

Wear protective clothing (gloves and goggles). If Sika-floor®- 92 EG is accidentally splashed into the eyes, nose, mouth or throat, flush immediately with plenty of clean, warm water and seek medical attention without delay.

Toxicity

- Comp. (A): Class 4, under the relevant health and safety codes.
- Comp. (B): Class 4.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Egypt

1st Industrial Zone (A)
Section #10, Block 13035
El Obour City, Egypt
TEL: +202 44810580
FAX: +202 44810459
egy.sika.com

Alexandria Office

4, Mihamed Masoud st
Bab Sharki
Alexandria
Tel: +203 4244 601/2/3
Mob:+2012-23909922
Fax: +203 4244 604

Cairo Sales office

222,El-Hegaz St, Heliopolis,
Cairo
Egypt
Tel:+202-26235032 /4
Mob:+2012-23999700
Fax:+202-26235637

Borg El-Arab Factory

2nd industrial zone block 28
Borg El Arab City, Alexandria
Egypt
Tel:+203-4592654/1417
Mob:+2012-23919291
Fax:+203-4592036



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