

PRODUCT DATA SHEET

Sikafloor®-359 N

Polyurethane tough-elastic coloured seal coat

DESCRIPTION

Sikafloor®-359 N is a two part tough-elastic, coloured, non-yellowing, polyurethane seal coat.

USES

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

The Product is used as a:

- Seal coat or Top coat for slip resistant broadcast systems

CHARACTERISTICS / ADVANTAGES

- Flexible and tough elastic
- Good mechanical resistance
- Good resistance to specific chemicals
- Impermeable to liquids
- Very good yellowing resistance
- Matt finish

PRODUCT INFORMATION

Chemical Base	Polyurethane	
Packaging	Container Part A	25.35 kg
	Container Part B	7.15 kg
	Container Part A + Part B	32.5 kg
	Refer to the current price list for available packaging variations.	
Shelf Life	12 months from date of production	
Storage Conditions	<p>The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.</p> <p>Refer to the current Safety Data Sheet for information on safe handling and storage.</p>	

ENVIRONMENTAL INFORMATION

- Contributes towards satisfying Materials and Resources (MR) Credit: Building product disclosure and optimization — Environmental Product Declarations under LEED® v4
- Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by Institut für Bauen und Umwelt e.V. (IBU)

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material
- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

Appearance / Colour	Part A	coloured, liquid	
	Part B	transparent, liquid	
	Cured appearance	Matt finish	
	Cured colour	Almost unlimited choice of colour shades.	

Density	Part A	1.67 kg/l	(EN ISO 2811-1)
	Part B	1.05 kg/l	
	Mixed Product	1.45 kg/l	

Solid content by weight 85 %

Solid content by volume 85 %

TECHNICAL INFORMATION

Shore D Hardness Cured 7 days at 23 °C 52 (EN ISO 868)

Abrasion Resistance Cured 7 days at 23 °C 160 mg (EN ISO 5470-1)

Tensile Adhesion Strength > 1.5 N/mm² (failure in concrete) (EN 1542)

APPLICATION INFORMATION

Mixing Ratio Part A : Part B (by weight) 78 : 22

Consumption 0.7–0.9 kg/m² per coat
0.7–0.9 kg/m² per coat

Product Temperature
Maximum +30 °C
Minimum +10 °C

Ambient Air Temperature
Maximum +30 °C
Minimum +10 °C

Relative Air Humidity Maximum 80 % r.h.

Dew Point Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation on the surface of the applied product.

Substrate Temperature
Maximum +30 °C
Minimum +10 °C

Substrate Moisture Content Refer to the individual primer Product Data Sheet.

Pot Life
+10 °C 40 minutes
+20 °C 25 minutes
+30 °C 15 minutes

Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	48 hours	5 days	10 days
+20 °C	24 hours	3 days	7 days	
+30 °C	16 hours	2 days	5 days	

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

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.

FURTHER DOCUMENTS

Refer to the following method statements:

- Sika Method Statement — Sikafloor® and Sikagard® evaluation and preparation of surfaces
- Sika Method Statement — Sikafloor® mixing and application

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

IMPORTANT

Incorrect treatment of cracks

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

TREATMENT OF JOINTS AND CRACKS

Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

SUBSTRATE CONDITION

Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1.5 N/mm².

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

SUBSTRATE PREPARATION

MECHANICAL SUBSTRATE PREPARATION

IMPORTANT

Exposing blow holes and voids

When mechanically preparing the surface, make sure to fully expose blow holes and voids.

1. Remove weak cementitious substrates.
2. Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment to remove cement laitance.
3. Before applying thin layer resins, remove high spots by grinding.
4. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.

5. Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids.

Contact Sika® Technical Services for additional information on products for levelling and repairing defects.
SUBSTRATE PREPARATION OF NON-CEMENTITIOUS SUBSTRATES

For information on substrate preparation of non-cementitious substrates, contact Sika technical services.

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull off strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

MIXING

1. Mix part A until a uniform colour and mix has been achieved.
2. Add Part B (hardener) to Part A.
3. IMPORTANT Do not mix excessively. Mix Part A + B continuously for ~3 minutes until a uniformly coloured mix is achieved.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

IMPORTANT

Protect from moisture

After application, protect the Product from damp, condensation and direct water contact for at least 24 hours.

IMPORTANT

Temporary heating

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For heating, use only electric powered warm air blower systems.

Exact colour matching

Note: For exact colour matching, ensure the Product in each area is applied from the same control batch number.

SEAL COAT FOR BROADCAST SURFACES

1. Pour the mixed Product onto the substrate.

Note: The consumption is specified in Application Information.

2. Spread the Product evenly over the surface with a squeegee.
3. Back roll the surface in two directions at right angles with a fleece roller.

Note: Maintain a "wet edge" during application to achieve a seamless finish.

CLEANING OF TOOLS

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

To prevent the nozzle from blocking, regularly clean the spraying equipment during application.

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.

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.

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Product Data Sheet

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