

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.

- 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
- Good mechanical and chemical resistance.
- Watertight.
- Good opacity.
- Non-yellowing.
- Matt finish.
- Easy application.
- Slip resistant surface possible.

PRODUCT INFORMATION

Chemical base	Polyurethane	
Packaging	Part A	25.35 kg
	Part B	7.15 kg
	Set Part A + Part B	32.5 kg
Refer to the current price list for available packaging variations.		
Appearance / Colour	Resin - Part A	coloured, liquid
	Hardener - Part B	transparent, liquid
	Cured colour	Almost unlimited choice of colour shades.

Shelf life	12 months from date of production		
Storage conditions	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.		
Density	Part A	1.67 kg/l	(EN ISO 2811-1)
	Part B	1.05 kg/l	
	Mixed Product	1.45 kg/l	
* All density values is at 23 °C.			
Solid content by weight	75 %	(ASTM D1644)	

TECHNICAL INFORMATION

Shore D Hardness	Cured 7 days at 23 °C	52	(ASTM D 2240)
Abrasion Resistance	Cured 7 days at 23 °C	160 mg (CS10/1000/1000)	(ASTM D4060)
Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concrete)		(ASTM D7234)
CHEMICAL RESISTANCE	Resistant to many chemicals. Contact Sika technical service for specific information.		

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of:		
	Sikafloor® MultiFlex PS-26 UV	Smooth unicolour tough elastic polyurethane floor covering with UV sealer	
	Sikafloor® MultiFlex PB-15 UV (G)	UV stable car park traffic desk system for intermediate and exposed desks	
	Sikafloor® MultiFlex PB-26 UV	Broadcast unicolour high performance polyurethane floor covering with UV sealer	
	Sikafloor® MultiFlex PB-51 UV	Broadcast unicolour high performance polyurethane floor covering over elastic membrane with UV sealer	
	Sikafloor® MultiFlex PB-52 UV	Broadcast unicolour high performance polyurethane floor covering over elastic membrane with UV sealer	
	Sikafloor® MultiFlex PB-53 UV	Broadcast unicolour high performance polyurethane floor covering over membrane with UV sealer	
	Sikafloor® MultiFlex PB-54 UV	Broadcast unicolour high performance polyurethane floor covering over membrane with UV sealer	

APPLICATION INFORMATION

Mixing ratio	Part A : Part B	78 : 22 (by weight)
Consumption	0.7–0.9 kg/m ² /layer. Please refer to the respective System Data Sheet.	
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 floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.			
Substrate Temperature	Maximum	+30 °C		
	Minimum	+10 °C		
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	+10 °C	40 minutes		
	+20 °C	25 minutes		
	+30 °C	15 minutes		
Curing time	Before applying Sikafloor®-359 N on Sikafloor®-375/ -350 N/ -326/ -261 broadcast allow:			
	Substrate temperature	Minimum	Maximum	
	+10 °C	24 hours	*	
	+20 °C	12 hours	*	
	+30 °C	6 hours	*	
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. * Not applicable as the product will be applied on the structured surface provided by the quartz sand.			
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

IMPORTANT CONSIDERATION

- Freshly applied Sikafloor®-359 N must be protected from damp, condensation and water for at least 24 hours.
- Sikafloor®-359 N applied at different thicknesses can lead to different degrees of matt finish.
- 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 N 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.

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

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 500 g/l (Limit 2010) for the ready to use product. The maximum content of Sikafloor®-359 N is < 500 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

EQUIPMENT

Sikafloor®-359 N must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suit-

able equipment.

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

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. For the addition of quartz sand: When parts A and B have been mixed, add the quartz sand 0.1 - 0.3 mm and mix for a further 2 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. As a seal coat, the product can be applied by squeegee and then back-rolled (crosswise) with a short-piled roller.

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.

MAINTENANCE

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

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.

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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Product Data Sheet

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