

## PRODUCT DATA SHEET

# Sikafloor®-326

2-part PUR tough-elastic, low-VOC, self smoothing floor

### DESCRIPTION

Sikafloor®-326 is a two part solvent free coloured self-smoothing PUR resin with tough-elastic properties.

### USES

Sikafloor®-326 may only be used by experienced professionals.

- Smooth wearing course with crack-bridging properties for industrial floors in production and storage facilities, work shops etc.
- Broadcast wearing course with crack-bridging properties for wet working areas (food and beverage industry etc.), car park decks and loading ramps etc.
- Can be subjected to normal to medium heavy mechanical and chemical stress

### CHARACTERISTICS / ADVANTAGES

- Flexible and tough-elastic
- Crack-bridging
- Good chemical and mechanical resistance
- Low VOC emitting
- Solvent-free
- Possible slip resistant surface
- Liquid proof
- Easy to apply
- Easy to clean
- Economical

### ENVIRONMENTAL INFORMATION

#### LEED Rating

Sikafloor®-326 conforms to the requirements of LEED EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings  
SCAQMD Method 304-91 VOC Content < 100 g/l

### APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 020801040060000007 1008, certified by notified factory production control certification body 0921, and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 020801040060000007 1008, certified by notified factory production control certification body 0921, and provided with the CE marking.
- Fire classification in the radiant panel apparatus and smoke rating: Reports No. 2011-1895 and 2011-1896 Exova Brandhaus Germany
- Emission test according to the German AgBB-scheme and guidelines of the DiBt (AgBB – Committee for Health-related Evaluation of Building Products, DiBt – German Institute for Building Technology). Sampling, testing and evaluation were performed according to ISO-16000, Report No. G10003B, Eurofins Product Testing A/S, Denmark.
- Emission test according to the French AFSSET-scheme and guidelines. Sampling, testing and evaluation were performed according to ISO-16000, Report No. G10003C, Eurofins Product Testing A/S, Denmark.
- ISEGA - EN1186, EN 13130, and prCEN/TS 14234 standards, and the Decree on Consumer Goods for contact with food stuffs, according to test report by ISEGA, Registered N° 33045 U 12, dated 31. January 2012
- Particle (vs.PA6) emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, class ISO 4. Tested by IPA report No. SI 1108-568.
- Particle (vs.PA6) emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, GMP A. Tested by IPA report No. SI 1108-568.
- Outgassing VOC emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, ISO-AMCm class -7.3. Tested by IPA report No. SI 1108-568.

- Biological Resistance Class “Very Good “–Cleanroom Suitable Materials. Evaluation of the biological resistance in accordance with ISO 846. Tested by IPA report No. SI 1108-568.



## PRODUCT INFORMATION

<b>Chemical Base</b>	Polyurethane (PUR)	
<b>Packaging</b>	Part A	16.05 kg containers
	Part B	5.95 kg containers
	Part A+B	22.0 kg ready to mix units
<b>Appearance / Colour</b>	Resin - part A	coloured, liquid
	Hardener - part B	transparent, liquid
	Standard colour on stock RAL 7032. Extended Colour Range on request.	
<b>Shelf Life</b>	12 months from date of production	
<b>Storage Conditions</b>	The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.	
<b>Density</b>	Part A	~ 1.30 kg/l (DIN EN ISO 2811-1)
	Part B	~ 1.20 kg/l
	Mixed resin (unfilled)	~ 1.25 kg/l
	Mixed resin (filled 1:0,7)	~ 1.60 kg/l
	Filling 1:0.7 with quartz sand F34 0.1 – 0.3 mm All Density values at +23 °C	
<b>Solid content by weight</b>	~100 %	
<b>Solid content by volume</b>	~100 %	

## TECHNICAL INFORMATION

<b>Shore D Hardness</b>	~78 (28 days / +23 °C / 50 % r.h)		(ISO 868)
<b>Compressive Strength</b>	Resin filled (1 : 0.7)	~53 N/mm <sup>2</sup>	(EN 196-1)
	(28 days / +23 °C)		
<b>Tensile Strength in Flexure</b>	Resin filled (1 : 0.7)	~22 N/mm <sup>2</sup>	(EN 196-1)
	(28 days / +23 °C)		
<b>Tensile Strength</b>	Resin	~15 N/mm <sup>2</sup>	(ISO 527-2)
	Resin filled (1 : 0.7)	~9 N/mm <sup>2</sup>	
	(28 days / +23 °C)		
<b>Elongation at Break</b>	Resin	~90 %	(ISO 527-2)
	Resin filled (1 : 0.7)	~22 %	
	(28 days / +23 °C / 50 % r.h.)		
<b>Tensile Adhesion Strength</b>	> 1.5 N/mm <sup>2</sup> (failure in concrete)		(EN 13892-8)
<b>Tear Strength</b>	Resin	~74 N/mm	(ISO 34-1)
	Resin filled (1 : 0.7)	~32 N/mm	
	(28 days / +23 °C)		
<b>Chemical Resistance</b>	Resistant to many chemicals. Contact Sika technical service for specific information.		

## SYSTEM INFORMATION

### Systems

Please refer to the System Data Sheet of:

<b>Sikafloor® MultiFlex PS-26</b>	Smooth unicolour tough elastic polyurethane floor covering
<b>Sikafloor® MultiFlex PS-26 UV</b>	Smooth unicolour tough elastic polyurethane floor covering with sealer
<b>Sikafloor® MultiFlex PB-26</b>	Broadcast unicolour tough elastic polyurethane floor covering
<b>Sikafloor® MultiFlex PB-26 UV</b>	Broadcast unicolour tough elastic polyurethane floor covering with UV sealer

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A : part B = 73 : 27 (by weight)			
<b>Consumption</b>	Please refer to the System Data Sheet			
<b>Ambient Air Temperature</b>	+10 °C min. / +25 °C max.			
<b>Relative Air Humidity</b>	70 % r.h. max.			
<b>Dew Point</b>	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.			
<b>Substrate Temperature</b>	+10 °C min. / +25 °C max.			
<b>Substrate Moisture Content</b>	< 4 % pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).			
<b>Pot Life</b>	<b>Temperature</b>	<b>Time</b>		
	+10 °C	~ 40 minutes		
	+20 °C	~ 20 minutes		
	+30 °C	~ 10 minutes		
<b>Curing Time</b>	Before overcoating Sikafloor®-326 allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	30 hours	72 hours	
	+20 °C	24 hours	48 hours	
+30 °C	16 hours	36 hours		
Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. If maximum waiting time is exceeded, exposed surface of Sikafloor®-326 has to be grinded to achieve mechanical bonding between the Sikafloor® layers.				
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+10 °C	~ 48 hours	~ 5 days	~ 14 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

## 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

### 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".

### Maintenance

Please refer to "Sikafloor®- CLEANING REGIME".

## LIMITATIONS

- Do not apply Sikafloor®-326 on substrates with rising moisture.
- Freshly applied Sikafloor®-326 must be protected from damp, condensation and water for at least 24 hours. Uncured material reacts in contact with water (foaming).
- During application care must be taken that no 'sweat' drops into fresh Sikafloor®-326 (wear head and wrist bands).
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Do not apply on substrate surfaces with a slope > 1 %.
- In smooth applications with sun light exposure use Sikafloor®-357 N or Sikafloor®- 305W as seal coat.
- For colour matching, ensure Sikafloor®-326 component A and B are applied from the same control batch numbers. Be aware that Sikafloor®-326 will have colour variation.
- Under certain conditions, under floor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If during application temporary heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

## 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

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 550 / 500 g/l (Limits 2007 / 2010) for the ready

to use product.

The maximum content of Sikafloor®-326 is < 500 g/l VOC for the ready to use product.

# APPLICATION INSTRUCTIONS

## 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/mm<sup>2</sup>. 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. When parts A and B have been mixed, add the quartz sand F34 0.1 – 0.3 mm and mix for a further 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour the materials into another pail and mix again to achieve a consistent mix. After mixing leave the mixture for 3 minutes to react before applying.

### Mixing Tools

Sikafloor®-326 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

## APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Sikafloor®-326 is poured and spread evenly by means of a serrated trowel or pin rake. When used in a self smoothing system, roll in two direction with a spike roller to ensure even thickness and to remove entrapped air.

## CLEANING OF TOOLS

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

## 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 recom-

mendations, 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.



Product Data Sheet  
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