

## PRODUCT DATA SHEET

# Sikafloor®-3000

2-part elastic, aliphatic, low VOC, self-smoothing polyurethane resin, part of the Sika ComfortFloor® range.

### DESCRIPTION

Sikafloor®-3000 is a two part, aliphatic, solvent free, very low VOC emission certified, elastic, self-smoothing polyurethane resin.

### USES

Sikafloor®-3000 may only be used by experienced professionals.

- Elastic smooth wearing course for Sika Comfortfloor® range
- For decorative floor finishes
- Particularly suitable for hospitals, schools, sales premises, showrooms, entrance halls, lobbies, open-plan offices, museums and residential use.
- For interior use only

### FEATURES

- Very low VOC emission
- Solvent free
- Comfortable
- Footwarm
- Reduces footfall sound
- Permanently elastic
- Good mechanical resistance
- Very high yellowing resistance
- Decorative designs possible using coloured chippings etc.
- Easy to apply
- Low maintenance finish

### PRODUCT INFORMATION

Composition

PU-polyurethane

### SUSTAINABILITY

- Conformity with LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization - Material Ingredients
- IBU Environmental Product Declaration (EPD) available
- GISCODE PU40
- EMICODE EC2

*DGNB – New buildings and extensive renovations, version 2020 2.0.0 and 2023 4.0 :*

The product is assessed to meet requirements for indicator 20, quality level 4, according to criteria matrix for ENV1.2/Environmentally hazardous substances.

### CERTIFICATES AND TEST REPORTS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 0208120400200000251041, certified by notified factory production control certification body 0620, and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 0208120400200000251041, certified by notified factory production control certification body 0620, and provided with the CE marking.
- Reaction to Fire classification according to DIN EN 13501-1 Class Bfl/S1 for Sika® ComfortFloor® Decorative system, report 14-529 Universiteit Gent.

<b>Packaging</b>	Part A	15.0 kg containers
	Part B	5.0 kg containers
	Part A+B	20.0 kg ready to mix units
<b>Shelf life</b>	12 months from date of production	
<b>Storage conditions</b>	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.	
<b>Appearance and colour</b>	Resin - part A	coloured, liquid
	Hardener - part B	transparent, liquid
	Available in almost unlimited choice of colour shades. Please contact our customer service, for information of which colors are sold in Denmark. Note: With bright colours such as yellow , orange etc., colour variations may occur in the finished surface.	
<b>Density</b>	Part A	~ 1.45 kg/l (DIN EN ISO 2811-1)
	Part B	~ 1.16 kg/l
	Mixed resin	~ 1.40 kg/l
	All Density values at +23 °C	
<b>Solid content by mass</b>	~100 %	
<b>Solid content by volume</b>	~100 %	

## TECHNICAL INFORMATION

<b>Shore A hardness</b>	~84 (14 days / +23 °C)	(DIN 53505)
<b>Tensile strength</b>	~ 8.0 N/mm <sup>2</sup> (14 days / +23 °C)	(DIN 53504)
<b>Tensile strain at break</b>	~ 70 % (14 days / +23 °C)	(DIN 53504)
<b>Tensile adhesion strength</b>	> 1.5 N/mm <sup>2</sup> (failure in concrete)	(EN 13892-8)
<b>Tear strength</b>	~ 18 N/mm (14 days / +23 °C)	(ISO 34-1)
<b>Chemical resistance</b>	Sikafloor®-3000 always has to be sealed with Sikafloor®-304 W. Therefore, refer to chemical resistance of Sikafloor®-304 W.	

## SYSTEM INFORMATION

<b>Systems</b>	Please refer to the System Data Sheet of:	
	<b>Sika Comfortfloor® PS-24</b>	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes
	<b>Sika Comfortfloor® PS-64</b>	Seamless, smooth, low voc, sound insulating elastic polyurethane floor covering with optional colour flakes
	<b>Sika Comfortfloor® PS-66</b>	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes

## APPLICATION INFORMATION

<b>Mixing ratio</b>	Part A : part B = 75 : 25 (by weight)
<b>Consumption</b>	~ 1.4 kg/m <sup>2</sup> /mm
<b>Layer thickness</b>	2.80 kg/m <sup>2</sup> - film thickness ~ 2.0 mm. Refer to the System Data Sheet.

<b>Material temperature</b>	+15 °C min. / +30 °C max.			
<b>Ambient air temperature</b>	+15 °C min. / +30 °C max.			
<b>Relative air humidity</b>	80 % 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>	+15 °C min. / +30 °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>Temperatures</b>	<b>Time</b>		
	+10 °C	~ 120 minutes		
	+20 °C	~ 90 minutes		
	+30 °C	~ 45 minutes		
<b>Curing time</b>	Before overcoating Sikafloor®-3000 allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	24 hours	72 hours	
	+20 °C	16 hours	48 hours	
	+30 °C	16 hours	36 hours	
<b>Applied product ready for use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+10 °C	~ 30 hours	~ 48 hours	~ 6 days
	+20 °C	~ 16 hours	~ 24 hours	~ 4 days
	+30 °C	~ 12 hours	~ 18 hours	~ 3 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 INFORMATION

### 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".

## IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor®-3000 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®-3000 (wear head and wrist bands).
- For exact colour matching, ensure the Sikafloor®-3000 in each area is applied from the same control

batch number.

- Under certain conditions underfloor heating or high ambient temperatures combined with high point loading may lead to imprints in the resin.
- If 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 500 g/l (Limit 2010) for the ready to use product. The maximum content of Sikafloor®-3000 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. 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®-3000 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®-3000 is poured and spread evenly by means of a serrated trowel or pin rake. Once Sikafloor®-3000 is "tack-free" apply the seal coat.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically. Please refer to the Sika Method Statement Mixing & Application

## 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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