

PRODUCT DATA SHEET

Sikafloor®-330

2-PART PUR ELASTIC, LOW VOC, SELF-SMOOTHING COMFORT FLOOR, PART OF THE SIKA COMFORTFLOOR® RANGE

PRODUCT DESCRIPTION

Sikafloor®-330 is a two part, solvent free, very low VOC emission certified, elastic, self-smoothing PUR resin.

USES

Sikafloor®-330 may only be used by experienced professionals.

- Elastic smooth wearing course for the Sika ComfortFloor® and Sika ComfortFloor® Pro Systems
- Particularly suitable for hospitals, schools, sales premises, showrooms, entrance halls, lobbies, open-plan offices, museums and residential use
- For interior use only

CHARACTERISTICS / ADVANTAGES

- Very low VOC emission
- Solvent free
- Permanently elastic (crack bridging)
- Good mechanical resistance
- Reduces contact sound
- Easy to apply
- Low maintenance finish

ENVIRONMENTAL INFORMATION

Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 02 08 01 04 040 0 000001 1041, 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 02 08 01 04 040 0 000001 1041, certified by notified factory production control certification body 0620, and provided with the CE marking.
- Fire classification according to EN 13501-1, Test reports 08-198 and 08-199, Ghent University
- Cleanroom® suitable material as part of the Sika ComfortFloor® and Sika ComfortFloor® Pro systems. Fraunhofer IPA, Germany report no. SI 1008-533
- Eurofins Emission tested according to the 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, Reports No. 765863F, 7712844A and 770029B.
- Impact sound reduction according EN ISO 140-8, test report 102-B-08, iba Institut Gottfried & Rolof Germany.
- Determination of wear resistance EN651:2004, indentation EN 651:2004, castor chair suitability EN425:1994 and effect of simulated movement of furniture leg according EN 424:2002 reports 391575-02 and 391580-02 TFI institute Aachen Germany.

PRODUCT INFORMATION

Chemical Base	PUR	
Packaging	Part A	15.8 kg containers
	Part B	4.2 kg containers
	Part A+B	20.0 kg ready to mix units

Appearance / Colour	Resin - part A	coloured, liquid
	Hardener - part B	light brown, transparent, liquid
	Available as substrate, in custom colours and in 10 Standard approximate RAL colours : <ul style="list-style-type: none"> ▪ grey white: approx RAL 9001/9002 ▪ grey shades: approx. RAL 7035, RAL 7032, RAL 7042 and RAL 7016 ▪ red shades: approx RAL 3000 ▪ green shades: approx RAL 6021 ▪ blue shade: approx RAL 5015 The colour of the Sikafloor®-330 has to be approximately adjusted to the colour of the Sikafloor®-305 W.	
Shelf Life	6 months from date of production	
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Prolonged vibrations and higher ambient temperatures during transportation can result in settling of component A, which makes mixing more difficult. Prolonged storage at low temperatures can result in crystallizing of component B.	
Density	Mixed resin	~ 1.40 kg/l (DIN EN ISO 2811-1)
	All Density values at +23°C	
Solid content by weight	~100 %	
Solid content by volume	~100 %	

TECHNICAL INFORMATION

Shore A Hardness	~ 80 (14 days / +23°C)	(DIN 53505)
Tensile Strength	~ 8.0 N/mm ² (14 days / +23°C)	(DIN 53504)
Elongation at Break	~ 180% (14 days / +23°C)	(DIN 53504)
Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concrete)	(EN 13892-8)
Tear Strength	~ 25 N/mm (14 days / +23°C)	(ISO 34-1)
Chemical Resistance	Sikafloor®-330 always has to be sealed with Sikafloor®-305 W. Therefore, refer to chemical resistance of Sikafloor®-305 W.	

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of:	
	Sika Comfortfloor® PS-23	Seamless, smooth, unicolour, low voc, elastic polyurethane floor covering
	Sika Comfortfloor® PS-63	Seamless, smooth, unicolour, low voc, sound insulating elastic polyurethane floor covering
	Sika Comfortfloor® PS-65	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes

APPLICATION INFORMATION

Mixing Ratio	Part A : part B = 79 : 21 (by weight)
Consumption	~ 1.4 kg/m ² /mm
Layer Thickness	Film thickness ~2.0 mm at 2.80 kg/m ² Refer to the respective System Data Sheet.
Product Temperature	+15 °C min. / +30 °C max.

Ambient Air Temperature	+15 °C min. / +30 °C max.		
Relative Air Humidity	80 % r.h. max.		
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	+15 °C min. / +30 °C max.		
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	Temperature	Time	
	+10 °C	~ 21 minutes	
	+20 °C	~ 15 minutes	
	+30 °C	~ 12 minutes	
Curing Time	Before overcoating Sikafloor®-330 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	24 hours	72 hours
	+20 °C	16 hours	48 hours
	+30 °C	16 hours	36 hours
Applied Product Ready for Use	Temperature	Foot traffic	Full cure
	+10 °C	~ 24 hours	~ 72 hours
	+20 °C	~ 18 hours	~ 7 days
	+30 °C	~ 16 hours	~ 5 days

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/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. 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®-330 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®-330 is poured and spread evenly by means of a serrated trowel or pin rake. Once Sikafloor®-330 is "tack-free" apply the seal coat.

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. Please refer to the Sika Method Statement Mixing & Application

FURTHER DOCUMENTS

Substrate Quality & Preparation

Please refer to Sika Information Manual: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".

Application Instructions

Please refer to Sika Information Manual: "MIXING & APPLICATION OF FLOORING SYSTEMS".

Maintenance

Please refer to "Sikafloor®- CLEANING REGIME".

LIMITATIONS

- Freshly applied Sikafloor®-330 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®-330 (wear head and wrist bands).
- For exact color matching, ensure the Sikafloor®-330 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 CO₂ and H₂O water vapour, which may

adversely affect the finish. For heating use only electric powered warm air blower systems.

VALUE BASE

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

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®-330 is < 500 g/l VOC for the ready to use product.

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.

SIKA LIMITED

Watchmead

Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited

SIKA IRELAND LIMITED

Ballymun Industrial Estate

Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland



Sikafloor-330_en_GB_(03-2017)_3_1.pdf