

# PRODUCT DATA SHEET

## Sikafloor® Comfort Adhesive

2-PART PUR ADHESIVE AS PART OF THE SIKA COMFORTFLOOR® FLOORING RANGE



### DESCRIPTION

Sikafloor® Comfort Adhesive is a two part, total solid, low VOC, PUR used to adhere Sikafloor® Comfort Regupol 6015H and Sikafloor® Comfort Regupol 4580.

### USES

Sikafloor® Comfort Adhesive may only be used by experienced professionals.

- Durable high quality adhesive, used to permanently adhere prefabricated granular rubber on concrete and cementitious screeds.
- Particularly suitable for hospitals, schools, sales premises, showrooms, entrance halls, lobbies, open-plan offices, museums or residential use
- For interior use only

### CHARACTERISTICS / ADVANTAGES

- Good bonding properties
- Low VOC
- Non flammable
- No shrinking after curing
- Easy to apply

### APPROVALS / STANDARDS

- Coating for concrete protection according to the requirements of EN 1504-2:2004), Declaration of Performance 020801090050000002 1041, certified by notified factory production control certification body 0620 and provided with the CE marking.
- Fire classification acc. to EN 13501-1, Test report 08-198, Ghent University
- Emission tested according to AgBB-scheme and guidelines of the DiBt. According to ISO-16000, Eurofins Report No. 771284A.

### PRODUCT INFORMATION

<b>Chemical base</b>	PUR	
<b>Packaging</b>	Part A	17 kg containers
	Part B	3 kg containers
	Part A+B	20.0 kg ready to mix units
<b>Appearance / Colour</b>	Resin - part A	light grey, liquid
	Hardener - part B	brown, transparent, liquid
<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>Density</b>	Mixed resin	~ 1.30 kg/l (DIN EN ISO 2811-1)
	All Density values at +23 °C	
<b>Solid content by weight</b>	~100 %	

Solid content by volume ~100 %

## TECHNICAL INFORMATION

Shore A Hardness	~93 (14 days / +23 °C)	(DIN 53505)
Tensile Strength	~9.0 N/mm <sup>2</sup> (14 days / +23 °C)	(DIN 53504)
Elongation at Break	~50 % (14 days / +23 °C)	(DIN 53504)
Tensile Adhesion Strength	> 1.5 N/mm <sup>2</sup> (failure in concrete)	(EN 13892-8)

## SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of:	
	<b>Sika Comfortfloor® PS-65</b>	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes
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## APPLICATION INFORMATION

Mixing ratio	Part A : part B = 85 : 15 (by weight)								
Consumption	Strongly depending on subfloor, usually 0.45–0.90 kg/m <sup>2</sup> .								
Ambient Air Temperature	+10 °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	+10 °C min. / +30 °C max.								
Substrate Moisture Content	< 3 % pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).								
Pot Life	<table><thead><tr><th>Temperature</th><th>Time</th></tr></thead><tbody><tr><td>+10 °C</td><td>~60 minutes</td></tr><tr><td>+20 °C</td><td>~45 minutes</td></tr><tr><td>+30 °C</td><td>~30 minutes</td></tr></tbody></table>	Temperature	Time	+10 °C	~60 minutes	+20 °C	~45 minutes	+30 °C	~30 minutes
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Curing time	Before overcoating Sikafloor® Comfort Adhesive allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	180 min	360 min
	+20 °C	90 min	180 min
+30 °C	60 min	90 min	

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

Applied Product Ready for Use	<b>Substrate temperature</b>	<b>Foot traffic</b>	<b>Full cure</b>
	+10 °C	12 hours	60 hours
	+20 °C	8 hours	36 hours
	+30 °C	6 hours	24 hours

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

## 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 of strength shall not be less than 1.5 N/mm<sup>2</sup>. If in doubt apply a test area first.

### MIXING

Premix component A and check the condition of the material. Add the complete content of component B and mix A and B thoroughly to a homogeneous mixture. Do not dilute!

Over mixing must be avoided to minimise air entrainment.

#### Mixing Tools

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

### APPLICATION

Sikafloor® Comfort Adhesive is poured and spread evenly by means of a metal trowel.

### CLEANING OF TOOLS

Removal of fresh remnants from tools and application equipment can be carried out using Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

Please refer to the Sika Method Statement Mixing & Application.

## 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® Comfort Adhesive substrates with rising moisture.
- Uncured material reacts in contact with water (foaming).
- During application care must be taken that no sweat drops into fresh Sikafloor®- Comfort Adhesive (wear head and wrist bands).
- 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.

## 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. 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® Comfort Adhesive 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 Hellas ABEE**  
**15 Protomagias Str.**  
14568 Kryoneri  
Attica-Greece  
Tel.: +30 210 8160 600  
Fax: +30 210 8160 606  
www.sika.gr | sika@gr.sika.com



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