

PRODUCT DATA SHEET

Sikafloor® Comfort Adhesive

2-part PUR adhesive as part of the Sika ComfortFloor® flooring range

PRODUCT 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

Chemical Base	PUR	
Packaging	Part A	17 kg containers
	Part B	3 kg containers
	Part A+B	20.0 kg ready to mix units
Appearance / Color	Resin - part A	light grey, liquid
	Hardener - part B	brown, transparent, liquid
Shelf Life	12 months from date of production	
Storage Conditions	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.	

Density	Mixed resin	~ 1.30 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	~93 (14 days / +23 °C)	(DIN 53505)
Tensile Strength	~9.0 N/mm ² (14 days / +23 °C)	(DIN 53504)
Elongation at Break	~50 % (14 days / +23 °C)	(DIN 53504)
Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concrete)	(EN 13892-8)

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of:	
	Sika Comfortfloor® PS-65	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes
	Sika Comfortfloor® PS-66	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes

APPLICATION INFORMATION

Mixing Ratio	Part A : part B = 85 : 15 (by weight)		
Coverage	Strongly depending on subfloor, usually 0.45–0.90 kg/m ² .		
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	Temperature	Time	
	+10 °C	~60 minutes	
	+20 °C	~45 minutes	
	+30 °C	~30 minutes	
Cure Time	Before overcoating Sikafloor® Comfort Adhesive allow:		
	Substrate temperature	Minimum	Maximum
	+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

Substrate temperature	Foot traffic	Full cure
+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

SURFACE PREPARATION

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/mm². 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

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

AVAILABILITY/WARRANTY

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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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 DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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