



**EN 1504-2**

**09**

**0958 - CPD - 1041**

## **Sikafloor®-Comfort Porefiller**

2-part PUR part of the Sika®-ComfortFloor Pro® and Sika®-ComfortFloor Decorative® Pro System

### **Product Description**

Sikafloor®-Comfort Porefiller is a two part, total solid, low VOC, PUR used for sealing and levelling.

### **Uses**

- Is a durable high quality compound used for sealing and levelling of the permeable surface of prefabricated granular rubber sheets
- Particularly suitable for hospitals, schools, sales premises, showrooms, entrance halls, lobbies, open-plan offices, museums
- For interior use only

### **Characteristics / Advantages**

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

### **Product Data**

#### **Form**

<b>Appearance / Colours</b>	Resin - part A:	light grey, liquid
	Hardener - part B:	brown, transparent, liquid

<b>Packaging</b>	Part A:	16 kg containers
	Part B:	4 kg containers
	Part A+B:	20.0 kg ready to mix units

#### **Storage**

#### **Storage Conditions / Shelf-Life**

12 months from date of production if 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 the A Component, which makes mixing more difficult.

Prolonged storage at low temperatures can result in crystallizing of the B Component.

Construction



---

## Technical Data

---

<b>Chemical Base</b>	PUR
<b>Density</b>	Mixed Resin: ~ 1.30 kg/l All Density values at +23°C.
<b>Solid Content</b>	~ 100% (by volume) / ~ 100% (by weight)

---

## Mechanical / Physical Properties

---

<b>Tensile Strength</b>	Resin: ~ 5.0 N/mm <sup>2</sup> (14 days / +23°C)	(DIN 53504)
<b>Shore A Hardness</b>	Resin: ~ 89 (14 days / +23°C)	(DIN 53505)
<b>Elongation at Break</b>	Resin: ~ 60% (14 days / +23°C)	(DIN 53504)

---

## System Information

---

<b>System Structure</b>	<b>Sika®-ComfortFloor Pro®:</b> Adhesive: 1 x Sikafloor®-Comfort Adhesive Rubber Shockpad: 1 x Sikafloor®-Comfort Regupol 6015 H Porefiller: 1 x Sikafloor®-Comfort Porefiller Wearing course: 1 x Sikafloor®-330 Seal coat (mandatory): 1-2 x Sikafloor®-305 W  <b>Sika®-ComfortFloor Decorative Pro®:</b> Adhesive: 1 x Sikafloor®-Comfort Adhesive Rubber Shockpad: 1 x Sikafloor®-Comfort Regupol 4580 Porefiller: 1-2 x Sikafloor®-Comfort Porefiller Wearing course: 1 x Sikafloor®-300 N Broadcasted with coloured flakes (optional) Seal coat (mandatory): 1-2 Sikafloor®-304 W
-------------------------	--

---

## Application Details

---

<b>Consumption / Dosage</b>	Depending on the Shockpad structure. Approximately 0.5 kg/m <sup>2</sup> .
<b>Substrate Quality</b>	Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm <sup>2</sup> ) with a minimum pull off strength of 1.5 N/mm <sup>2</sup> .  The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.  If in doubt, apply a test area first.
<b>Substrate Preparation</b>	Concrete substrates and cementitious screeds must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.  Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.  Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, SikaDur® and SikaGard® range of materials.  High spots must be removed by e.g. grinding.  All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

---

## Application Conditions / Limitations

<b>Substrate Temperature</b>	+10°C min. / +30°C max.
<b>Ambient Temperature</b>	+10°C min. / +30°C max.
<b>Substrate Moisture Content</b>	≤ 3% pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).
<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.

## Application Instructions

<b>Mixing</b>	Part A : part B = 80 : 20 (by weight)
<b>Mixing Time</b>	Check if the B component is free of crystallization. Should crystals be found the B component has to be heated to 60°C until all crystals redissolve.  Premix the A Component and check the condition of the material. Add the complete contents of the B Component and mix A and B thoroughly to a homogeneous mixture.  Do not dilute!  Over mixing must be avoided to minimise air entrainment.
<b>Mixing Tools</b>	Sikafloor®-Comfort Porefiller must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.
<b>Application Method / Tools</b>	Prior to application, confirm substrate moisture content, r.h. and dew point.  To gain the maximum flow properties the full contents of the mixture should be poured out as quickly as possible (within the potlife) and should be spread out immediately.
<b>Cleaning of Tools</b>	Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

## Potlife

Temperatures	Time
+10°C	~ 36 minutes
+20°C	~ 20 minutes
+30°C	~ 12 minutes

## Waiting Time / Overcoating

Before applying Sikafloor®-300 N or Sikafloor®-330 on Sikafloor®-Comfort Porefiller allow:

Substrate temperature	Minimum	Maximum
+10°C	~ 12 hours	~72 hours
+20°C	~ 8 hours	~ 60 hours
+30°C	~ 6 hours	~ 48 hours

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

---

**Notes on Application / Limitations**

Do not apply Sikafloor®-Comfort Porefiller substrates with rising moisture.

Do not apply on substrate surfaces with a slope > 1%.

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

**Tools**

Serrated/notched trowel for smooth wearing layer.

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.

---

**Curing Details****Applied Product ready for use**

Temperature	Foot traffic	Full cure
+10°C	~ 12 hours	~72 hours
+20°C	~ 8 hours	~ 60 hours
+30°C	~ 6 hours	~ 48 hours

Note: Times are approximate and will be affected by changing ambient conditions

---

**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.

---

**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

---

**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.

---

## CE Labelling

The harmonized European Standard EN 1504-2 „Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2 : Surface protection systems for concrete” gives specifications for products and systems used as methods for the various principles presented under EN 1504-9.

Products which fall under this specification have to be CE-labelled as per Annex ZA. 1, Tables ZA.1a to ZA 1g according to the scope and relevant clauses there indicated, and fulfil the requirements of the given mandate of the Construction Products Directive (89/106):

Here below indicated are the minimum performance requirements set by the standard. For the specific performance results of the product to the particular tests, please see the actual values above in the PDS.

<b>CE</b>	
0921	
BV Descol Kunststof Chemie Duurstedeweg 33007 NL – 7418 Deventer	
09 <sup>1)</sup>	
0958–CPD–1041	
EN 1504-2	
Surface Protection Product Coating <sup>2)</sup>	
Abrasion resistance (Taber test):	< 3000 mg
Permeability to CO <sub>2</sub> :	S <sub>D</sub> > 50 m
Permeability to water vapour:	Class II
Capillary absorption and permeability to water:	w < 0.1 kg/m <sup>2</sup> x h <sup>0.5</sup>
Resistance to severe chemical attack: <sup>3)</sup>	Class II
Impact resistance:	Class II
Adhesion strength by pull-off test:	≥ 0.8 N/mm <sup>2</sup>
Fire Classification: <sup>4)</sup>	E <sub>fl</sub>

<sup>1)</sup> Last two digits of the year in which the marking was affixed.

<sup>2)</sup> Tested as part of system build-up Sikafloor®-Comfort Adhesive / Sikafloor®-Comfort Regupol 6015 H / Sikafloor®-Comfort Porefiller / Sikafloor®-330 / Sikafloor®-305 W

<sup>3)</sup> For details please refer to Sikafloor® Chemical Resistance Chart.

<sup>4)</sup> Min. classification, please refer to the individual test certificate.

## EU Regulation 2004/42

### VOC - Decopaint Directive

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 Porefiller** is < 500 g/l VOC for the ready to use product.



Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire  
AL7 1BQ  
United Kingdom

Phone +44 1707 394444  
Telefax +44 1707 329129  
[www.sika.co.uk](http://www.sika.co.uk), email: sales@uk.sika.com

