

## PRODUCT DATA SHEET

# Sikafloor®-3310

2-part, PUR elastic, low VOC, self-smoothing wearing course for Sika® Comfortfloor® Systems

### PRODUCT DESCRIPTION

Sikafloor®-3310 is a two-part, solvent free, elastic, self-smoothing, aromatic PUR resin.

### USES

Sikafloor®-3310 may only be used by experienced professionals.

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

### PRODUCT INFORMATION

|                           |  |                            |
|---------------------------|--|----------------------------|
| <b>Chemical Base</b>      | PUR  |                            |
| <b>Packaging</b>          | Part A   | 15.8 kg containers         |
|                           | Part B   | 4.2 kg containers          |
|                           | Part A+B   | 20.0 kg ready to mix units |
| <b>Shelf Life</b>         | 6 months from date of production   |                            |
| <b>Storage Conditions</b> | <p>The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.</p> <p>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.</p> |                            |

### CHARACTERISTICS / ADVANTAGES

- Very low VOC emission.
- Solvent free.
- Permanently elastic.
- Good mechanical resistance.
- Reduces contact sound.
- Easy to apply.
- Low maintenance finish.
- Can be filled with quartz sand.

### ENVIRONMENTAL INFORMATION

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

**Appearance / Colour**

Resin - part A

Coloured, liquid

Hardener - part B

Light brown, transparent, liquid

Available in RAL 1014, RAL 2000, RAL 3009, RAL 5015, RAL 6010, RAL 7042, RAL 8002, RAL 9001, RAL 9005.

The colour of the Sikafloor®-3310 has to be approximately adjusted to the colour of the Sikafloor®-305 W seal / top coat.

Applied colours selected from colour charts will be approximate. For colour matching: Apply colour sample and confirm selected colour under real lighting conditions.

When product is exposed to direct sunlight, there may be some discolouration and colour variation, this has no influence on the function and performance of the floor finish.

|                |  |            |                     |
|----------------|--|------------|---------------------|
| <b>Density</b> | Mixed resin                            | ~1.40 kg/l | (DIN EN ISO 2811-1) |
|                | Mixed resin (with QS 0.1-0.3 mm 1:0.5) | ~1.70 kg/l |                     |

All Density values at +23°C.

**Solid content by mass** ~100%

**Solid content by volume** ~100%

**TECHNICAL INFORMATION**

**Shore A Hardness** ~84 (14 days / +23 °C) (unfilled) (DIN 53505)

**Tensile Strength** > 6.0 N/mm<sup>2</sup> (14 days / +23 °C) (unfilled) (DIN 53504)

**Elongation at Break** ~150 % (14 days / +23 °C) (unfilled) (DIN 53504)

**Tensile adhesion strength** > 1.5 N/mm<sup>2</sup> (failure in concrete) (EN 13892-8)

**Tear Strength** ~20 N/mm (14 days / +23°C) (unfilled) (ISO 34-1)

**Chemical Resistance** Sikafloor®-3310 always has to be sealed with Sikafloor®-305 W. Therefore, refer to chemical resistance of Sikafloor®-305 W.

**APPLICATION INFORMATION**

**Mixing Ratio** Part A : part B = 79 : 21 (by weight)

**Consumption** Unfilled ~1.4 kg/m<sup>2</sup>/mm  
Filled: ~1.7 kg/m<sup>2</sup>/mm

**Layer Thickness** Film thickness unfilled ~2.0 mm at 2.80 kg/m<sup>2</sup>  
Film thickness filled ~2.0 mm at 3.40 kg/m<sup>2</sup>  
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      | ~24 minutes |
|          | +20 °C      | ~18 minutes |
|          | +30 °C      | ~15 minutes |

| Curing Time | Before overcoating Sikafloor®-3310 allow: |          |          |
|-------------|---|----------|----------|
|             | Substrate temperature                     | Minimum  | Maximum  |
|             | +10 °C                                    | 21 hours | 72 hours |
|             | +20 °C                                    | 15 hours | 48 hours |
|             | +30 °C                                    | 12 hours | 36 hours |

| Applied Product Ready for Use | Temperature | Foot Traffic | Light Traffic | Full Cure |
|-------------------------------|-------------|--------------|---------------|-----------|
|                               | +10 °C      | ~21 hours    | ~72 hours     | ~10 days  |
|                               | +20 °C      | ~15 hours    | ~60 hours     | ~7 days   |
|                               | +30 °C      | ~12 hours    | ~48 hours     | ~5 days   |

## 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.

## 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

- Freshly applied Sikafloor®-3310 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®-3310 (wear head and wrist bands).
- For exact color matching, ensure the Sikafloor®-3310 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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit [www.sika.com/pu-training](http://www.sika.com/pu-training).



## 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®-3310 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®-3310 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®-3310 is poured and spread evenly by means of a serrated trowel or pin rake. Once Sikafloor®-3310 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.

## 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.

## 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.

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#### Product Data Sheet

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