

Sikafloor®-330

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

Product Description

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

Uses

- 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
- For interior use only

Characteristics / Advantages

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

Product Data

Form

Appearance / Colours

Resin - part A: coloured, liquid
Hardener - part B: light brown, transparent, liquid

10 Standard colours available:

Grey white, beige, light grey, middle grey, dark grey, light blue, dark blue, light green, dark green, red.

Be aware that the colour of the Sikafloor®-330 has to be approx. adjusted to the colour of the Sikafloor®-305 W.

Packaging

Part A: 15.8 kg containers
Part B: 4.2 kg containers
Part A+B: 20.0 kg ready to mix units



Storage

Storage Conditions / Shelf-Life

6 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.

Technical Data

Chemical Base

PUR

Density

Mixed Resin: ~ 1.40 kg/l

All Density values at +23°C.

Solid Content

~ 100% (by volume) / ~ 100% (by weight)

Mechanical / Physical Properties

Tensile Strength

Resin: ~ 8.0 N/mm² (14 days / +23°C)

(DIN 53504)

Bond Strength

> 1.5 N/mm² (failure in concrete)

(EN 13892-8)

Shore A Hardness

Resin: ~ 80 (14 days / +23°C)

(DIN 53505)

Elongation at Break

Resin: ~ 180 % (14 days / +23°C)

(DIN 53504)

Tear Growth Strength

Resin: ~ 25 N/mm (14 days / +23°C)

(ISO 34-1)

Resistance

Chemical Resistance

Sikafloor®-330 always has to be sealed with Sikafloor®-305 W. Therefore, refer to chemical resistance chart of Sikafloor®-305 W.

System Information

System Structure

Sika®-ComfortFloor®:

Primer: 1 x Sikafloor®-156
Wearing course: 1 x Sikafloor®-330
Seal coat (mandatory): 1-2 x Sikafloor®-305 W

Sika®-ComfortFloor® Pro:

Primer: 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®-330
Seal coat (mandatory): 1-2 x Sikafloor®-305 W

Application Details

Consumption / Dosage

Coating System	Product	Consumption
Primer	Sikafloor®-156	0.3 - 0.5 kg/m ² or 2-3 m ² /litre
Levelling (if required)	Sikafloor®-156 levelling mortar	Refer to PDS of Sikafloor®-156
Self-smoothing wearing course (film thickness ~ 2.0 mm)	Sikafloor®-330	2.80 kg/m ²
Seal coat	Sikafloor®-305 W	1-2 x ~0.13 kg/m ²

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Substrate Quality	<p>Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².</p> <p>The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.</p> <p>If in doubt, apply a test area first.</p>
Substrate Preparation	<p>Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.</p> <p>Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.</p> <p>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.</p> <p>The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.</p> <p>High spots must be removed by e.g. grinding.</p> <p>All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.</p>
Application Conditions / Limitations	
Substrate Temperature	+10°C min. / +30°C max.
Ambient Temperature	+10°C min. / +30°C max.
Substrate Moisture Content	<p>≤ 4% pbw moisture content.</p> <p>Test method: Sika[®]-Tramex meter, CM - measurement or Oven-dry-method.</p> <p>No rising moisture according to ASTM (Polyethylene-sheet).</p>
Relative Air Humidity	80% r.h. max.
Dew Point	<p>Beware of condensation.</p> <p>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.</p>
Application Instructions	
Mixing	Part A : part B = 79 : 21 (by weight)
Mixing Time	<p>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.</p> <p>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.</p> <p>To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.</p> <p>Over mixing must be avoided to minimise air entrainment.</p>
Mixing Tools	Sikafloor [®] -330 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Application Method / Tools

Prior to application, confirm substrate moisture content, r.h. and dew point.

If > 4% pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Levelling:

Rough surfaces need to be levelled first. Therefore use e.g. Sikafloor®-156 levelling mortar (see PDS).

Self-smoothing system 2.0 mm:

Sikafloor®-330 is poured and spread evenly by means of a serrated trowel. Roll immediately in two directions with a spiked roller to ensure even thickness and to remove entrapped air.

Once Sikafloor®-330 is "tack-free" apply the seal coat.

Seal coat:

Top coats are uniformly spread using a short pile roller.

A seamless finish can be achieved if a "wet" edge is maintained during application.

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.

Potlife

Temperatures	Time
+10°C	~ 21 minutes
+20°C	~ 15 minutes
+30°C	~ 12 minutes

Waiting Time / Overcoating

Before applying Sikafloor®-330 on Sikafloor®-161 allow:

Substrate temperature	Minimum	Maximum
+10°C	24 hours	4 days
+20°C	12 hours	2 days
+30°C	6 hours	1 day

Before applying Sikafloor®-305 W on Sikafloor®-330 allow:

Substrate temperature	Minimum	Maximum
+10°C	24 hours	72 hours
+20°C	18 hours	48 hours
+30°C	16 hours	36 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®-330 on substrates with rising moisture.

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

Freshly applied Sikafloor®-330 must be protected from damp, condensation and water for at least 24 hours.

Avoid puddles on the surface with the primer.

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)

Tools

Serrated trowel for smooth wearing layer:

e.g. Large-Surface Scrapper No. 565, Toothed blades No. 25

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

Curing Details

Applied Product ready for use

Temperature	Foot traffic	Full cure
+10°C	~ 24 hours	~ 72 hours
+20°C	~ 18 hours	~ 60 hours
+30°C	~ 16 hours	~ 48 hours

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

Cleaning / Maintenance**Methods**

To maintain the appearance of the floor after application, Sikafloor®-330 must have all spillages removed immediately and be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc using suitable detergents and waxes.

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.

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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