BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-330

Polyurethane elastic low VOC self-smoothing flooring resin

DESCRIPTION

Sikafloor®-330 is a 2-part, polyurethane, elastic, low VOC self-smoothing flooring resin. It is part of the Sika Comfortfloor® decorative flooring range.

USES

Sikafloor®-330 may only be used by experienced professionals.

Decorative elastic smooth resin flooring wearing layer for:
- Sika ComfortFloor® and Sika ComfortFloor® Pro Systems
- Hospitals
- Schools
- Retail areas
- Showrooms
- Entrance halls
- Lobbies
- Open-plan offices
- Museums
- Residential use
- Interior use only

CHARACTERISTICS / ADVANTAGES

- Very low VOC emissions
- Soft underfoot
- Comfortable
- Reduces impact noise transmission and airborne noise
- Seamless
- Permanently elastic
- Good mechanical resistance
- Easy to apply
- Low maintenance finish

SUSTAINABILITY

- AgBB emission test
- GISCODE PU40
- EPD

DGNB – New buildings and extensive renovations, version 2020 2.0.0 :
The product is assessed to comply with requirements for indicator 20, quality level 4, according to criteria matrix for ENV1.2/Environmentally hazardous substances.
Documented by technical datasheet, safety datasheet and emission certificate (AgBB).

Click here to see other documents:
Sikafloor®-330

APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating

PRODUCT INFORMATION

Composition	Polyurethane
Packaging	Part A: 15,8 kg container Part B: 4,2 kg container Part A+B: 20,0 kg ready to mix unit Refer to current price list for packaging variations
Shelf life	6 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.
Appearance and colour	Final floor appearance: Smooth matt finish Part A - resin: liquid / coloured Part B - hardener: liquid / light brown, transparent Standard colours: ▪ grey / white: ~RAL 9001, 9002 ▪ grey shades: ~RAL 7035, 7032, 7042, 7016 ▪ red shades: ~RAL 3000 ▪ green shades:~RAL 6021 ▪ blue shade:~RAL 5015 Other colours on request. The colour of the Sikafloor®-330 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.
Density	Resin mixed: ~1,40 kg/l (DIN EN ISO 2811-1) Values at +23 °C
Solid content by mass	~100 %
Solid content by volume	~100 %

TECHNICAL INFORMATION

Shore A hardness	~80 (14 days / +23 °C)	(DIN 53505)
Tensile strength	> 8,0 N/mm² (14 days / +23 °C)	(DIN 53504)
Tensile strain at break	~180 % (14 days / +23 °C)	(DIN 53504)
Tensile adhesion strength	> 1,5 N/mm² (failure in concrete)	(EN 13892-8)
Tear strength	~25 N/mm (14 days / +23 °C)	(ISO 34-1)
Chemical resistance	Sikafloor®-330 must always be sealed with Sikafloor®-305 W and provides the chemical resistance. Refer to Product Data Sheet.	

SYSTEM INFORMATION

Systems	Refer to the System Data Sheets: ▪ Sika Comfortfloor® PS-23 ▪ Sika Comfortfloor® PS-63 ▪ Sika Comfortfloor® PS-65

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 79 : 21 (by weight)
Consumption	~1,4 kg/m²/mm
Layer thickness	~2,0 mm at 2,80 kg/m² Refer to the System Data Sheets: Sika Comfortfloor® PS-23, Sika Comfortfloor® PS-63, Sika Comfortfloor® PS-65
Material temperature	+15 °C min. / +30 °C max.
Ambient air temperature	+15 °C min. / +30 °C max.
Relative air humidity	80 % max.
Dew point	Beware of condensation. The substrate and uncured applied floor material 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 % parts by weight The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life

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

Curing time

Before overcoating Sikafloor®-330 allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	72 hours
+20 °C	16 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.

Applied product ready for use

Temperature	Foot traffic	Full cure
+10 °C	~24 hours	~9 days
+20 °C	~18 hours	~7 days
+30 °C	~16 hours	~5 days

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

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.

FURTHER INFORMATION

- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika Method Statement: Mixing & Application of Flooring Systems
- Sika Method Statement: Sikafloor®-Cleaning Regime
- System Data Sheet: Sika Comfortfloor® PS-23
- System Data Sheet: Sika Comfortfloor® PS-63
- System Data Sheet: Sika Comfortfloor® PS-65

IMPORTANT CONSIDERATIONS

- Prolonged vibrations and higher ambient temperatures during transportation can result in settling of Part A. This can make mixing more difficult.
- Do not apply on substrates with rising moisture.
- After application, product must be protected from damp, condensation and direct water contact for at least 24 hours.
- For consistent colour matching, ensure the Sikafloor®-330 in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to indentations in the resin.

- If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

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.

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®-330 is < 500 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

EQUIPMENT

Select the most appropriate equipment required for the project:

Substrate preparation

- Abrasive blasting cleaning equipment
- Planing machine
- Scarifying machine
- High pressure water blasting equipment

For other types of preparation equipment, contact Sika Technical Services

Mixing

- Electric single paddle mixer (300–400 rpm) with spiral paddle
- Scraper
- Clean mixing containers

Application

- Mixed material carrier
- Pin leveller
- Trowels
- Spiked roller

SUBSTRATE QUALITY / PRE-TREATMENT

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum tensile strength of 1,5 N/mm².
Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness.
High spots can be removed by grinding.
Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.
Repairs to the substrate, filling of cracks, blowholes/voids and surface levelling must be carried out using products from the Sikafloor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying Sikafloor®-330.
All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by vacuum extraction equipment.

MIXING

Prior to mixing all parts, mix separately Part A (resin) using the electric mixing equipment. Mix liquid and all the coloured pigment until a uniform colour / mix has been achieved. Add Part B (hardener) to Part A and mix Part A + B continuously for 2,0 minutes until a uniformly coloured mix has been achieved. To ensure thorough mixing pour materials into a clean container and mix again for at least 1,0 minute to achieve a smooth consistent mix. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only. Mixing time for A+B = ~3,0 minutes.

APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures. If moisture content > 4% parts by weight, Sikafloor® EpoCem® may be applied as a Temporary Moisture Barrier (T.M.B.) system.
Pour mixed Sikafloor®-330 onto the prepared substrate and spread evenly using a suitable trowel or pin leveller to the required thickness.
Spike roller immediately in two directions at right angles to each other to remove trowel marks, aid air release, ensure an even thickness and obtain the required surface finish. A seamless finish can be achieved if a 'wet' edge is maintained during application. When Sikafloor®-330 is "tack-free", apply the Sikafloor®-305 W seal coat.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically.

MAINTENANCE

CLEANING

Refer to Sika Method Statement: Sikafloor®-Cleaning Regime

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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