

PRODUCT DATA SHEET

Sikafloor®-3240

2 - PART POLYURETHANE, TOUCH-ELASTIC, LOW-VOC, SELF SMOOTHING FLOORS.

DESCRIPTION

Sikafloor®-3240 is a two part solvent free, coloured, self-smoothing PUR resin, total solid according to Deutsche Bauchemie, with tough-elastic properties. Sikafloor®-3240 makes use of Sika's unique i-Cure technology to improve surface aesthetics and reduce sensitivity for ambient humidity during application. Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor®-3240 may only be used by experienced professionals.

- Smooth wearing course with crack-bridging properties for industrial floors in production and storage facilities, workshops etc.
- Broadcast wearing course with crack-bridging properties for wet working areas (food and beverage industry etc.), car park decks and loading ramps etc.
- Applicable on asphalt surfaces, indoor, as in shopping centres, exhibition and storage areas.

CHARACTERISTICS / ADVANTAGES

- Flexible and tough elastic
- Good crack-bridging ability
- Application on asphalt substrates possible (mastic asphalt)
- Good chemicals and mechanical resistance

PRODUCT INFORMATION

Chemical base	Polyurethane	
Packaging	Part A	20.25 kg
	Part B	4.75 kg
	Part A + Part B	25.0 kg

Refer to the current price list for available packaging variations.

- Solvent-free and low VOC emissions
- Possible slip resistant surface
- Easy to apply and easy to clean.
- Economical.
- Not sensitive to moisture

SUSTAINABILITY

- Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by Institut für Bauen und Umwelt e.V. (IBU)
- Contributes towards satisfying Materials and Resources (MR) Credit: Building product disclosure and optimization — Environmental Product Declarations under LEED® v4
- Complies with the requirements of DIBt (October 2010) in combination with the NIK values from AgBB (June 2012) for use in the indoor environment.

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating
- Floor Coatings Sikafloor®-3240, TFI, Report No. 461248-01
- Riboflavin test Sikafloor®-3240, CSM Fraunhofer, Certificate No. SI 1506-767
- Track Noise Reduction Sikafloor®-3240, TFI, Report No. 461407-02

Appearance / Colour	Part A	Coloured, liquid	
	Part B	Transparent, liquid.	
Sikafloor®-3240 is available in broad range of colours.			
Shelf life	12 months from date of production		
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to the packaging.		
Density	Part A	1.4 kg/l	(EN ISO 2811-1)
	Part B	1.2 kg/l	
	Mixed Product	1.6 kg/l (filled 1 : 0.5 with quartz sand 0.1–0.3 mm)	
*All density values is at 23°C.			
Solid content by weight	100 %		
Solid content by volume	100 %		

TECHNICAL INFORMATION

Shore D Hardness	Cured 7 days at +23 °C, 50% r.h.	60	(ASTM D2240)
Abrasion Resistance	Cured 14 days at +23 °C, 50% r.h.	65 mg	(ASTM D4060)
Tensile Strength	Cured 14 days at +23 °C and 50 % r.h.	14 N/mm ²	(ISO 527-2)
Elongation at Break	Cured 14 days at +23 °C and 50 % r.h.	90 %	(ISO 527-2)
Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concrete)		(ASTM D7234)
CHEMICAL RESISTANCE	Resistant to many chemicals. Contact Sika Technical Department for specific information.		

SYSTEM INFORMATION

Systems	Please refer to System Data Sheet of:		
	Sikafloor® MultiFlex PS-32	Smooth unicolour tough elastic polyurethane floor covering	
	Sikafloor® MultiFlex PS-32 UV	Smooth unicolour tough elastic polyurethane floor covering with UV sealer	
	Sikafloor® MultiFlex PB-32	Broadcast unicolour tough elastic polyurethane floor covering	
	Sikafloor® MultiFlex PB-32 UV	Broadcast unicolour tough elastic polyurethane floor covering with UV sealer	
	Sikafloor® MultiFlex PB-15 UV (G)	Broadcast unicolour tough elastic polyurethane floor covering with UV sealer for intermediate and exposed car park decks.	

APPLICATION INFORMATION

Mixing ratio	Part A : Part B (by weight)	81 : 19
Consumption	Please refer to the System Data Sheets.	

Ambient Air Temperature	Maximum	+30 °C		
	Minimum	+10 °C		
Relative Air Humidity	Maximum	75-80 % r.h.		
Dew Point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.			
Substrate Temperature	Maximum	+30 °C		
	Minimum	+10 °C		
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	+10 °C	40 minutes		
	+20 °C	30 minutes		
	+30 °C	20 minutes		
Waiting Time / Overcoating	Before overcoating Sikafloor®-3240, allow:			
	Temperature	Minimum	Maximum	
	+10 °C	30 hours	72 hours	
	+20 °C	24 hours	48 hours	
	+30 °C	16 hours	36 hours	
Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.				
Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	~24 hours	~3 days	~9 days
	+20 °C	~12 hours	~2 days	~5 days
	+30 °C	~8 hours	~1 day	~3 days
	Note: 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 DOCUMENTS

Refer to the following method statements:

- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems.
- Sika Method Statement — Sikafloor® mixing and application.
- Sika Method Statement — Sikafloor® cleaning regime.

IMPORTANT CONSIDERATION

- Colour variations are un-avoidable due to raw materials. It can occur with quartz sand in bright shades such as yellow or orange where colour variations through the backfill may be visible. With these colours, the opacity is limited if the product is used as a top coat. Applying a reference area is strongly recommended.
- Under UV and weathering changes in colour are possible. For colour matching, ensure Sikafloor®-

3240 components A and B are applied from the same control batch numbers.

- Do not apply Sikafloor®-3240 on substrates with rising moisture.
- Do not apply on substrate surfaces with a slope > 1%.
- Freshly applied Sikafloor®-3240 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®-3240 (wear head and wrist bands).
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Under certain conditions, under floor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If during application temporary 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.

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.

APPLICATION INSTRUCTIONS

EQUIPMENT

MIXING EQUIPMENT

- Electric double-paddle mixer (> 700 W, 300 rpm to 400 rpm)

APPLICATION EQUIPMENT

- Pin leveller
- Trowels, including serrated
- Spiked roller

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, rough, 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

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. If quartz sand addition to the mix is required (according to the system), you can add it only when parts A and B have been mixed. Add the quartz sand F34 0.1 – 0.3 mm and mix for further 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour the materials into another pail and mix again to achieve a consistent mix. After mixing leave the mixture for 3 minutes to react before applying.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Sikafloor®-3240 (with quartz sand addition) is poured and spread evenly by means of a serrated trowel or pin rake. When used in a self-smoothing system, roll in two directions with a spike roller to ensure even thickness and to remove entrapped air. Sikafloor®-3240 (without quartz sand addition) can be applied by brush, roller or squeegee.

CLEANING OF TOOLS

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

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-3240 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.

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

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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