

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-32

POLYURETHANE SLIP-RESISTANT TOUGH-ELASTIC FLOORING SYSTEM



DESCRIPTION

Sikafloor® MultiFlex PB-32 is a polyurethane, slip resistant, tough-elastic flooring system. It provides a safe slip resistant surface in dry and wet conditions.

USES

Sikafloor® MultiFlex PB-32 may only be used by experienced professionals.

Industrial slip resistant resin flooring on cementitious substrates for:

- Life Science production areas
- Automotive production plants
- Storage areas
- Logistic areas
- Multi-storey and underground car park intermediate decks

CHARACTERISTICS / ADVANTAGES

- Thickness ~3,0 mm.
- Good mechanical resistance
- Good chemical resistance
- Scratch resistant surface
- Low dirt pick up
- Easy cleanability
- Seamless
- Slip and skid resistant surface
- i-Cure based technology wearing layer
- Low VOC content
- Low maintenance
- Application on asphalt surfaces

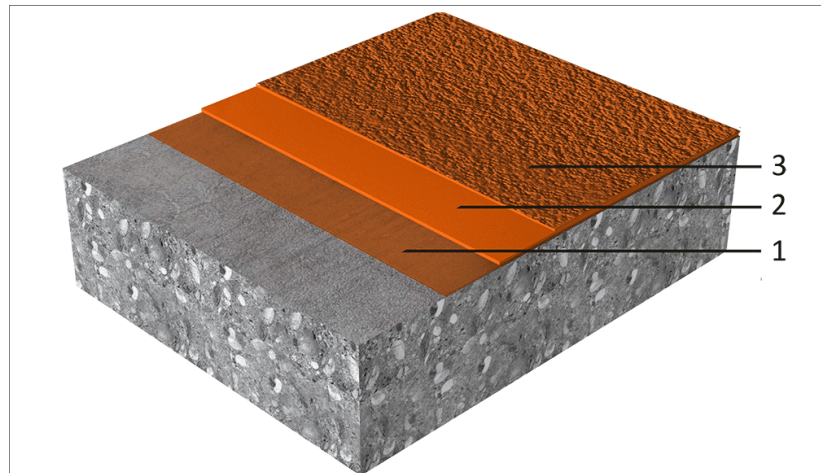
APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- Fire testing EN 13501-1, Sikafloor®-3240, MPA Dresden, Report No. 20150909/01

SYSTEMS

System Structure

Sikafloor® MultiFlex PB-32 (~ 3,0 mm)



Layer	Product	Consumption
1. Primer	Sikafloor®-150/-151/-160/-161	~0,4 kg/m ² /layer
2. Wearing layer Broadcast	Sikafloor®-3240 (filled 1:0.5 with quartz sand 0,1–0,3 mm) by weight Quartz Sand (0,4–0,8 mm) to excess	~1,8–2,0 kg/m ² ~4,0–5,0 kg/m ²
3. Seal / Top coat	Sikafloor®-378	~0,7–0,9 kg/m ²

Optional primers: Sikafloor®-144/-156/-701. Refer to the individual Product Data Sheets.

Optional Seal / Top coat: Sikafloor®-3240. Refer to the individual Product Data Sheets.

On substrates with hot poured/mastic asphalt, use Sikafloor®-3240 as a primer.

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

Composition	Polyurethane, epoxy
Appearance	Slip resistant, glossy finish
Colour	Seal / top coat colours: ~RAL 7023, 7030, 7032, 7035, 7037, 7038, 7040, 7042, 9002, 9010. Other colour shades on request.
Nominal Thickness	~3 mm

TECHNICAL INFORMATION

Shore D Hardness	~60 (7 days / 23 °C / 50 % r.h.)	(DIN 53505)
Abrasion Resistance	~24 mg (CS 10/1000/1000)	(DIN 53109)
Tensile Strength	~14 N/mm ² (14 days / 23 °C / 50 % r.h.)	(DIN EN ISO 527-2)
Reaction to Fire	Bfl-s1	(EN 13501-1)
Chemical Resistance	Sikafloor® MultiFlex PB-32 always has to be sealed with Sikafloor®-378. Refer to the chemical resistance of Sikafloor®-378.	
Skid / Slip Resistance	R10 / R11	(DIN 51130)

APPLICATION INFORMATION

Product Temperature	+10 °C min. / +30 °C max.			
Ambient Air Temperature	+10 °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 surface of the applied product.			
Substrate Temperature	+10 °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).			
Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+15 °C	~72 hours	~6 days	~10 days
	+20 °C	~24 hours	~4 days	~7 days
	+30 °C	~18 hours	~2 days	~5 days

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

PRODUCT INFORMATION

Packaging	Refer to the individual Product Data Sheets
Shelf life	Refer to the individual Product Data Sheets
Storage conditions	Refer to the individual Product Data Sheets

MAINTENANCE

CLEANING

Refer to Sika Method Statement: Sikafloor®-Cleaning Regime

FURTHER INFORMATION

- Sika Method Statement: Sikafloor®-Cleaning Regime
- Sika Method Statement: Mixing & Applications of Flooring Systems
- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® products 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 onto the fresh Sikafloor® products. Wear head and wrist bands.
- For exact colour matching, ensure the Sikafloor® product 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 CO₂ and H₂O water vapour,

which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

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.

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.

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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