

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-32

BROADCAST, UNICOLOUR, TOUGH-ELASTIC POLYURETHANE FLOOR COVERING

PRODUCT DESCRIPTION

Sikafloor® MultiFlex PB-32 is a multipurpose, tough-elastic and slip resistant polyurethane flooring system and is part of the Sikafloor® Multiflex flooring range. Sikafloor® MultiFlex PB-32 is especially designed for use in many different indoor industrial applications where slip resistant, seamless hardwearing floors are required and makes use of Sika's unique i-Cure technology to improve surface aesthetics and reduce sensitivity for ambient humidity during application. Sikafloor® MultiFlex PB-32 consists of a tough-elastic, crack bridging polyurethane base coat which fulfils as well the stringent demands for low VOC emitting products, finished with a non-blushing elastic epoxy top coat or with an i-Cure, aromatic polyurethane sealer.

USES

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

- Life Science industry
- Automotive industry
- Industrial flooring for storage, logistic centres
- Car parks intermediate decks

CHARACTERISTICS / ADVANTAGES

- Good mechanical resistance
- Good chemical resistance
- Scratch resistant surface
- Low dirt pick up
- Easy to clean and maintain
- Seamless surface
- i-Cure based technology base coat
- Anti-slip surface
- Low VOC content

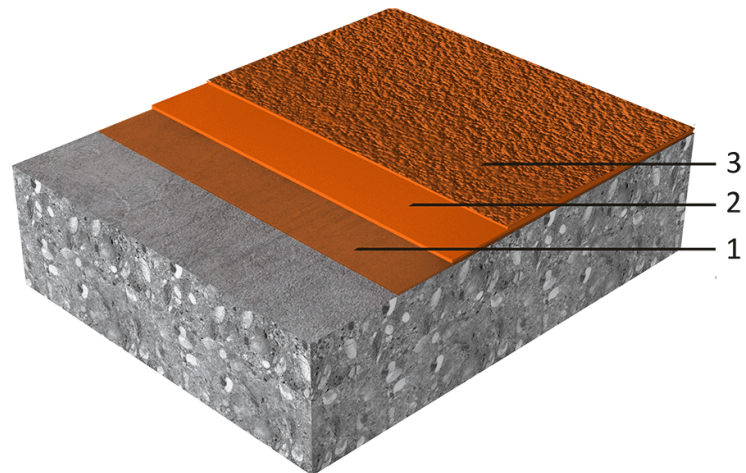
APPROVALS / STANDARDS

- Synthetic resin screed material according to EN13813:2002, Declaration of Performance and provided with the CE marking
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance and provided with the CE marking
- Fire classification reports No. 20150909/01 MPA Dresden

SYSTEM INFORMATION

System Structure

Sikafloor® MultiFlex PB-32



| Layer | Product | Consumption |
|--------------|--|---|
| 1. Primer | Sikafloor®-161 | ~0.4 kg/m ² /layer |
| 2. Base coat | Sikafloor®-3240 (filled 1:0.5 with quartz sand 0.06 – 0.3 mm) + Aggregate broadcast 0.3 - 0.8 mm | ~1.8–2.0 kg/m ² ~ 4.0-5.0 kg/m ² |
| 3. Top Coat | Sikafloor®-378 | ~0.7–0.9 kg/m ² |

Consumptions are theoretical and do not include any wastage or additional materials needed due to porosity, substrate profile etc.
As optional primers Sikafloor®-156 can be used. Please refer to the individual Product Data Sheet.
As optional sealer Sikafloor®-3240 can be used under its set of certifications and consumption rates. Please refer to the individual Product Data Sheet.

| | |
|--------------------------|--|
| Chemical base | Polyurethane, Epoxy |
| Appearance | Slip resistant, glossy finish |
| Colour | Available in RAL 7023, 7030, 7032, 7035, 7037, 7038, 7040, 7042, 9002, 9010. Other colour shades upon 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

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|--------------------------------|---------------------------|
| 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 floor must be at least 3 °C above dew point to reduce the risk of condensation or other disturbance of the surface on the floor finish | | | |
| Substrate Temperature | +10 °C min. / +30 °C max. | | | |
| Substrate Moisture Content | Sikafloor® MultiFlex PB-32 can be installed on substrates with moisture content of max. 4 % (checked by Tramex). The substrate needs to be visibly dry and have adequate pull-off strength min 1.5 N/mm ² . Check rising moisture. | | | |
| 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 |
| Note: Times are approximate and will be affected by changing ambient and substrate conditions | | | | |

PRODUCT INFORMATION

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|---------------------------|--|
| Packaging | Please refer to the individual Product Data Sheets |
| Shelf Life | Please refer to the individual Product Data Sheets |
| Storage Conditions | Please refer to the individual Product Data Sheets |

MAINTENANCE

CLEANING

Please refer to the Sikafloor® Cleaning Regime

FURTHER DOCUMENTS

Substrate Quality & Preparation

Please refer to Sika Information Manual: "Evaluation and preparation of surfaces for flooring systems".

Application Instructions

Please refer to Sika Information Manual: "Mixing & Application of flooring systems".

Maintenance

Please refer to "Sikafloor® Cleaning regime".

LIMITATIONS

- 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 into 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 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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

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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