

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-32

BROADCAST, UNICOLOR, TOUGH-ELASTIC POLYURETHANE FLOOR COVERING

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. Suitable for use in hot and tropical climatic conditions.

USES

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

- Life Science industry
- Automotive industry
- Industrial flooring for storage, logistic centers
- 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 / CERTIFICATES

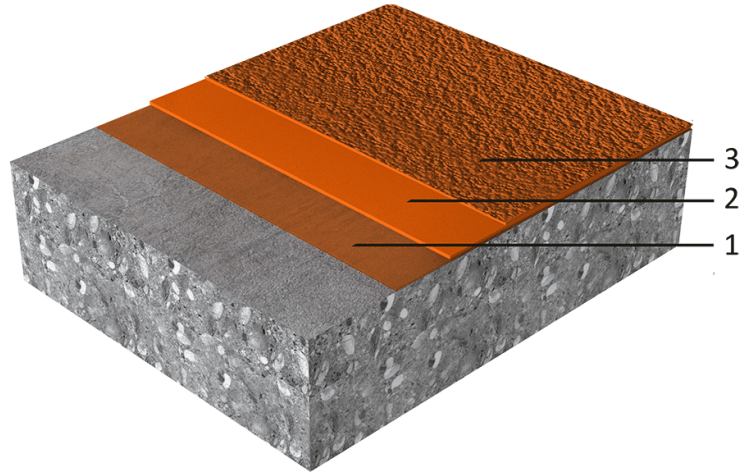
- Fire classification reports No. 20150909/01 MPA Dresden

PRODUCT INFORMATION

| | |
|--------------------|--|
| 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 |

SYSTEMS

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 0.1–0.3 mm) + Aggregate broadcast 0.4 - 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 primer Sikafloor®-161 (G) can be used. Please refer to the individual Product Data Sheet.

As optional top coat Sikafloor®-3240 can be used under its set of certifications and consumption rates. Please refer to the individual Product Data Sheet.

| | |
|-------------------|-------------------------------|
| Composition | Polyurethane, Epoxy |
| Appearance | Slip resistant, glossy finish |
| 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

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

MAINTENANCE

CLEANING

Please refer to the Sikafloor® Cleaning Regime

FURTHER INFORMATION

Please refer to the individual Product Data Sheets.

Substrate Quality & Preparation

Please refer to Sika Method Statement: "Evaluation and preparation of surfaces for flooring systems".

Application Instructions

Please refer to Sika Method Statement: "Mixing & Application of flooring systems".

Maintenance

Please refer to "Sikafloor® Cleaning regime".

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 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.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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ISO 9001: Sika UAE LLC,
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Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

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