

PRODUCT DATA SHEET

Sikafloor®-375

2-PART PUR TOUGH ELASTIC, CRACK-BRIDGING COATING



DESCRIPTION

Sikafloor®-375 is a two part, solvent free, low viscosity, tough elastic, crack-bridging polyurethane resin. Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor®-375 may only be used by experienced professionals.

- For crack bridging, trafficable, slip resistant wearing layers
- For car park decks, garage floors and bridges

CHARACTERISTICS / ADVANTAGES

- Good crack bridging ability
- Mechanically resistant if broadcast
- Watertight
- Easy application
- Solvent free

SUSTAINABILITY

LEED rating:

Sikafloor®-375 conforms to the requirements of LEED EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
EPA Reference Test Method 24 VOC Content < 100 g/l

APPROVALS / CERTIFICATES

- Coating for concrete protection according to EN 1504-2:2004 and the EN 13813:2002
- Reaction to Fire classification according to EN 13501-1. Test institute Hoch Report No. KB-Hoch-101213 .

PRODUCT INFORMATION

Composition	Polyurethane	
Packaging	Part A	24.0 kg containers
	Part B	6.0 kg containers
	Part A+B	30.0 kg ready to mix units
Appearance / Colour	Beige	
Shelf life	12 months from date of production	
Storage conditions	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight, heat and moisture.	

Density	Part A	~1.66 kg/l	(DIN EN ISO 2811-1)
	Part B	~1.24 kg/l	
	Mixed resin	~1.55 kg/l	

All Density values at +23°C

Solid content by weight ~100 %

Solid content by volume ~100 %

TECHNICAL INFORMATION

Tensile Strength ~11 N/mm² (14 days / +23 °C) (DIN 53504)

Elongation at Break ~110 % (14 days / +23 °C) (DIN 53504)

SYSTEMS

Systems

Please refer to the System Data Sheet of:

Sikafloor® MultiFlex PB-21	Broadcast unicolour high performance polyurethane floor covering
Sikafloor® MultiFlex PB-21 UV	Broadcast unicolour high performance polyurethane floor covering with UV sealer
Sikafloor® MultiFlex PB-52	Broadcast unicolour high performance polyurethane floor covering over elastic membrane
Sikafloor® MultiFlex PB-52 UV	Broadcast unicolour high performance polyurethane floor covering over elastic membrane with UV sealer
Sikafloor® MultiFlex PB-53	Broadcast unicolour high performance polyurethane floor covering over membrane
Sikafloor® MultiFlex PB-53 UV	Broadcast unicolour high performance polyurethane floor covering over membrane with UV sealer

APPLICATION INFORMATION

Mixing Ratio Part A : part B = 80 : 20 (by weight)

Consumption ~1.55 kg/m²/mm. For further consumption details please refer to the respective System Data Sheet.
Note: These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc..

Ambient Air Temperature +10 °C min. / +30 °C max.

Relative Air Humidity 80 % r.h. 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 blooming on the floor finish.

Substrate Temperature +10 °C min. / +30 °C max.

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

Temperatures	Time
+10 °C	~60 minutes
+20 °C	~25 minutes
+30 °C	~15 minutes

Curing Time

Before overcoating Sikafloor®-375 allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	48 hours
+20 °C	15 hours	24 hours
+30 °C	8 hours	16 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	Light traffic	Full cure
+10 °C	~24 hours	~72 hours	~7 days
+20 °C	~12 hours	~30 hours	~5 days
+30 °C	~5 hours	~24 hours	~4 days

Note: Times are approximate and will be affected by changing ambient conditions

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, 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. For the addition of quartz sand: When parts A and B have been mixed, add the quartz sand 0.1 - 0.3 mm and mix for a further 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.

Mixing Tools:

Sikafloor®-375 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Sikafloor®-375 is poured and spread evenly with a serrated / notched trowel. Then, level and remove entrained air with a spiked roller and broadcast with quartz sand, at first lightly and then to excess.

CLEANING OF EQUIPMENT

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

FURTHER INFORMATION

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

- Do not apply Sikafloor®-375 on substrates with rising moisture.
- Freshly applied Sikafloor®-375 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®-375 (wear head and wrist bands).
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- 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 Saudi Arabia Co. Ltd,
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.

Product Data Sheet

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