

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.

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

ENVIRONMENTAL INFORMATION

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 / STANDARDS

- Coating for concrete protection according to EN 1504-2:2004 and the EN 13813:2002, Declaration of Performance 0208010401100000051008, certified by notified factory production control body 0921 and provided with the CE marking.
- Certified as part of the Surface Protection System OS 11a according to DIN EN 1504- 2 and DIN V 18026.
- Certified as part of the Surface Protection System OS 13 according to DIN EN 1504-2 and DIN V 18026.
- Reaction to Fire classification according to DIN 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. | | |
| 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/mm ² (14 days / +23 °C) | (DIN 53504) |
| Elongation at Break | ~110 % (14 days / +23 °C) | (DIN 53504) |

SYSTEM INFORMATION

| | | |
|--------------------------------------|---|---|
| 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 |
| | Sikafloor® MultiFlex PB-54 | Broadcast unicolour high performance polyurethane floor covering over membrane |
| Sikafloor® MultiFlex PB-54 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 | ~ 1.5 kg/m ² /mm. Please refer to the respective System Data Sheet. | |
| 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 TOOLS

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

FURTHER DOCUMENTS

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 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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 550 / 500 g/l (Limits 2007 / 2010) for the ready to use product.

The maximum content of Sikafloor®-375 is < 500 g/l VOC for the ready to use product.

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.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate, 71800 Nilai
Negeri Sembilan D.K., Malaysia
Phone: +606-7991762
Fax: +606-7991980
e-mail: info@my.sika.com
Website: www.sika.com.my



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