

PRODUCT DATA SHEET

Sikafloor®-373 TG UV

Aliphatic polyurethane based UV stable tough-elastic coloured top coat

DESCRIPTION

Sikafloor®-373 TG UV is a two part, aliphatic, tough-elastic, coloured, non-yellowing, UV stable polyurethane top coat. It has superior chemical and abrasion resistance, excellent adhesion to substrates and good weatherability.

USES

Sikafloor®-373 TG UV may only be used by experienced professionals.

- Abrasion resistant top coat with high mechanical resistance for broadcast systems with crack-bridging properties in industrial flooring
- Particularly suitable for car park decks, ramps, airport hangars and warehouses etc.

CHARACTERISTICS / ADVANTAGES

- Tough-elastic
- Good mechanical and chemical resistance
- Watertight
- Non-yellowing
- Matt finish
- Easy application
- Slip resistant surface possible
- Excellent resistance to petrol and diesel.

PRODUCT INFORMATION

| | | |
|----------------------------|------------------------|-------------------|
| Chemical base | Aliphatic Polyurethane | |
| Packaging | Part A+B | 6 kg set |
| | Part A | 5 kg container |
| | Part B | 1 kg container |
| Appearance / Colour | Part A (Resin) | Liquid / Coloured |
| | Part B (Hardener) | Liquid / Brown |
| | Cured appearance | Matt finish |

Sikafloor®-373 TG UV is available in a number of colour shades. Please consult with Sika representative for more details.

IMPORTANT

Applied colours selected from colour charts will be approximate.

IMPORTANT

Colour uniformity cannot be completely guaranteed from batch to batch.

Do not mix batch numbers in a single area.

IMPORTANT

For colour matching: Apply colour sample and confirm selected colour under real lighting conditions.

IMPORTANT

Non-uniform thickness of wearing coat of Sikafloor®-370 TG BC and un-even sand broadcast lead to high undulations on final finish

| | | |
|---------------------------|---|---|
| Shelf life | Part A | 12 months from date of production. Protect from freezing. |
| | Part B | 6 months from date of production. Protect from freezing. |
| Storage conditions | The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. | |
| Density | ~1.07 kg/L (Part A+B mixed, +27 °C) | (EN ISO 2811-1) |

TECHNICAL INFORMATION

| | | |
|----------------------------------|--|--------------|
| Abrasion resistance | ~51 mg (CS-10/1000/1000, 7 d, +27 °C) | (ASTM D4060) |
| Tensile adhesion strength | ≥ 1.5 N/mm ² (concrete failure) | (EN 1542) |
| Chemical resistance | Resistant to many chemicals. Contact Sika Technical Services for specific information. | |

APPLICATION INFORMATION

| | | | | |
|--|--|-----------------------|---------------|-----------|
| Mixing ratio | Part A : Part B = 5 : 1 (by weight) | | | |
| Consumption | ~0.2 kg/m ² (As UV resistance top coat on Sikafloor®-371 TG SF) Note: These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc. | | | |
| Ambient air temperature | +15 °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 floor finish. Low temperatures and high humidity conditions increase the probability of blooming. | | | |
| Substrate temperature | +15 °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). | | | |
| Pot life | Temperature | Pot life (100 g mass) | | |
| | +20 °C | ~20 min | | |
| | +30 °C | ~15 min | | |
| Waiting time / Overcoating | Before applying Sikafloor®-373 TG UV on Sikafloor®-371 TG SF allow: | | | |
| | Temperature | Minimum | Maximum | |
| | +20 °C | 12 h | 2 d | |
| | +30 °C | 6 h | 1 d | |
| 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 |
| | +20 °C | ~24 hours | ~3 days | ~7 days |
| | +30 °C | ~16 hours | ~2 days | ~7 days |
| | Note: Times are approximate and will be affected by changing ambient conditions. | | | |

SYSTEM INFORMATION

System structure

| Layer | Product |
|----------------------|--|
| Primer | 1-2 X Sikafloor®-370 TG BC/Sikafloor®-161 HC |
| Wearing coat | Sikafloor®-370 TG BC |
| Broadcast | Sika® Quartz 02 IN |
| Seal coat / Top coat | 1-2 × Sikafloor®-371 TG SF |
| Top coat (optional) | Sikafloor®-373 TG UV |

Refer to the respective Product Data Sheet for more details.

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.

FURTHER DOCUMENTS

- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika Method Statement: Mixing & Application of Flooring Systems
- Sika Method Statement: Sikafloor®- Cleaning Regime

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor®-371 TG SF/Sikafloor®-373 TG UV on substrates with rising moisture.
- Freshly applied Sikafloor®-373 TG UV must be protected from damp, condensation and water for at least 72 hours.
- Beware of air flow and changes in air flow. This may lead to introduction of dust, debris, and particles, etc. resulting in surface imperfections and other defects.
- For roller coatings, uneven substrates as well as inclusions of dirt cannot and must not be covered by thin sealer coats. Therefore both substrate and adjacent areas must always be prepared and cleaned thoroughly prior to application.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking
- Any aggregate used with Sikafloor® systems must be non-reactive and oven dried. For best results, use Sika® Quartz product range.
- Use Sikafloor colour component for best performance.
- For consistent colour matching, ensure the Sikafloor®-373 TG UV in each area is applied from the same control batch numbers.
- Seal / Top coat consumption will vary depending on sand granulometry.
- UV resistance coating is recommended in case of floor is under direct sunlight

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and con-

tains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

Mixing

- Electric single paddle mixer (300 to 400 rpm)

Application

- Hard rubber squeegee
- Short pile roller

SUBSTRATE QUALITY

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface gripping surface profile suitable for the product thickness.
- High spots can be removed by grinding.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum extraction equipment.

MIXING

IMPORTANT

Mix full units only

1. Mix Part A (resin) until the coloured pigment is dispersed and a uniform colour is achieved.
2. Add Part B (hardener) to Part A.
3. Mix Part A + B continuously for 2 minutes until a uniformly coloured mix is achieved. Note: Avoid excessive mixing to minimise air entrainment.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or

straight edge trowel at least once to ensure complete mixing.

APPLICATION

TOP COAT APPLICATION

1. Pour the mixed product onto the substrate.
2. Spread the product evenly over the surface with a squeegee.
3. Back roll the surface in two directions at right angles with a short pile roller.

Note: Maintain a "wet edge" during application for a seamless finish.

Note: Avoid puddles on the surface during application.

CLEANING OF TOOLS

Clean all tools and application equipment with suitable solvent immediately after use. Hardened material can only be removed mechanically.

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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Product Data Sheet

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