

## PRODUCT DATA SHEET

# Sikafloor®-371 TG SF

Solvent free polyurethane based tough-elastic coloured seal coat

### DESCRIPTION

Sikafloor®-371 TG SF is a three part, tough-elastic, coloured, solvent free polyurethane seal coat. It has superior chemical and abrasion resistance, excellent adhesion to substrates and good weatherability.

### USES

Sikafloor®-371 TG SF may only be used by experienced professionals.

- Abrasion resistant seal 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
- Solvent free
- Semi gloss finish
- Easy application
- Slip resistant surface possible

### PRODUCT INFORMATION

<b>Chemical base</b>	Solvent free polyurethane	
<b>Packaging</b>	Part A+B+A1 pre-batched	7.6kg set
	Part A (Clear resin)	4.6kg container
	Part B (Hardener)	2.0kg container
	Part A1 (Separate colour component)	1.0kg container
<b>Appearance / Colour</b>	Part A (Resin)	Off-White liquid
	Part B (Hardener)	Liquid / Brown
	Part A1 (Colour)	As per RAL shades
Sikafloor®-371 TG SF is available in a number of colour shades. Please consult with Sika representative for more details.		
<b>Shelf life</b>	Part A	12 months from date of production. Protect from freezing.
	Part B	06 months from date of production. Protect from freezing.
	Part A1	12 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** 1.3kg/l (Part A+B+A1) mixed, +27 °C)

## TECHNICAL INFORMATION

**Abrasion resistance** ~60 mg (CS-17/1000/1000) (ASTM D4060)

**Tensile adhesion strength** ~2.84 N/mm<sup>2</sup> (failure in concrete) (EN 1542)

**Chemical resistance** Resistant to many chemicals. Contact Sika Technical Services for specific information.

## APPLICATION INFORMATION

**Mixing ratio** Part A : Part B : Part A1(Colour) = 4.6 : 2 : 1 (by weight)

**Consumption** ~0.6–0.8 kg/m<sup>2</sup>  
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 floor 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	Time
	+20 °C	~20 minutes
+30 °C	~15 minutes	

**Waiting time / Overcoating** Before applying following coat over Sikafloor®-371 TG SF allow:

Temperature	Minimum	Maximum
+20 °C	12 hours	2days
+30 °C	06 hours	1 day

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	

# 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 x 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 on substrates with rising moisture.
- Freshly applied Sikafloor®-371 TG SF 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®-371 TG SF 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 / medium pile roller

### SUBSTRATE QUALITY

#### SUBSTRATE QUALITY / PRE-TREATMENT

- The applied broadcast resin floor (epoxy, polyurethane, polyurea-hybrid and polyurea resin) surface must be tack free, clean and dry.
- Use industrial vacuuming equipment or brush to remove all dust, loose and friable material from the application surface before applying the product.
- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.
- 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 industrial vacuum extraction equipment.

### MIXING

#### IMPORTANT

##### Mix full units only

1. Mix Part A (resin) and A1 (Colour paste) until the coloured pigment is fully dispersed and a uniform colour is achieved.

2. Add Part B (hardener) into mixed Part A + A1 continuously mix for 2 minutes until a uniformly coloured mix is achieved. Note: Avoid excessive mixing to minimise air entrainment.
3. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
4. 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

### SEAL COAT APPLICATION

- Pour the mixed product onto the substrate.
- Spread the product evenly over the surface with a hard rubber squeegee.
- Back roll the surface in two directions at right angles with a short pile roller.
- If second coat has to be applied, apply in same way once first coat is dry.

Note: Maintain a "wet edge" during application for a seamless finish. Note: Avoid puddles on the surface during application.

## 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

Sikafloor®-371 TG SF  
February 2025, Version 01.01  
020812040030000059

Sikafloor-371TGSF-en-IN-(02-2025)-1-1.pdf