

## PRODUCT DATA SHEET

# Sikafloor®-3570

Polyurethane coloured matt finish seal coat

### DESCRIPTION

Sikafloor®-3570 is a 2-part, coloured, solvented, polyurethane, chemical resistant, matt finish seal coat. For normal - medium wear conditions. Internal and external use.

### USES

Sikafloor®-3570 may only be used by experienced professionals.

Matt finish seal coat for:

- Sikafloor® smooth epoxy or polyurethane coatings
- Sikafloor® broadcast systems
- Sikafloor® broadcast and sealed screeds
- Concrete and cementitious screeds

### CHARACTERISTICS / ADVANTAGES

- Tough-elastic
- Good mechanical and chemical resistance
- Good colour stability
- Easy application

### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- Fire Classification EN 13501-1, Sikafloor®-3570, MPA Dresden, Test report No. 20150059/01
- Reaction to Fire EN 11925-2, Sikafloor®-3570, MPA Dresden, Test report No. 20150059/02
- Reaction to Fire EN 9239-1, Sikafloor®-3570, MPA Dresden, Test report No. 20150059/03
- Sliding test DIN 51130, Sikafloor®-3570, Roxeler, Certificate No. 020078-15-1
- Sliding test DIN 51130, Sikafloor®-3570, Roxeler, Certificate No. 020078-15-3

### PRODUCT INFORMATION

<b>Chemical Base</b>	Solvented polyurethane	
<b>Packaging</b>	Part A	7 kg containers
	Part B	3 kg containers
	Part A+B	10 kg ready to mix units
Refer to current price list for packaging variations		
<b>Appearance / Colour</b>	Matt finish. Available in various colour shades. Applied colours selected from colour charts will be approximate. It is recommended that applied colour samples must be compared against colour chart colours under the same lighting conditions before final selection.	

<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30 °C.
<b>Density</b>	~1.15 kg/l (mixed resin)
<b>Solid content by weight</b>	~74 %
<b>Solid content by volume</b>	~74 %

## TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Resistant to many chemicals. Contact Sika Technical Services for additional information.
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## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A : Part B = 70 : 30 (by weight)	
<b>Consumption</b>	<b>Sealer on concrete or cementitious screed</b>	
	Primer / Scratch coat	Sikafloor®-156 or Sikafloor®-161 ~0.3–0.5 kg/m <sup>2</sup>
	Seal coat	2 x Sikafloor®-3570 ~0.3 kg/m <sup>2</sup> /layer
	<b>Sealer on Sikafloor® smooth substrate</b>	
	Seal coat	1–2 x Sikafloor®-3570 ~0.15 kg/m <sup>2</sup> /layer
	<b>Sealer on Sikafloor® broadcast substrate</b>	
	Seal coat	1–2 x Sikafloor®-3570 +0.3–0.5 % Extender T ~0.4 kg/m <sup>2</sup> /layer
	<b>Sealer on concrete or cementitious screeds</b>	
	Primer with Sikafloor®-156/161: ~0.3–0.5 kg/m <sup>2</sup>	
	Scratch coat for levelling: 2 x Sikafloor®-3570 ~0.3 kg/m <sup>2</sup> /layer	
<b>Sealer on Sikafloor® smooth substrates</b>		
1–2 x Sikafloor®-3570 ~0.15 kg/m <sup>2</sup> /layer		
<b>Sealer on Sikafloor® broadcast substrates</b>		
1–2 x Sikafloor®-3570 +0.3–0.5 % Extender T ~0.4 kg/m <sup>2</sup> /layer		
<b>Note</b>		
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.		
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.	
<b>Relative Air Humidity</b>	80 % max.	
<b>Dew Point</b>	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.	
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.	
<b>Substrate Moisture Content</b>	≤4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).	
<b>Pot Life</b>	<b>Temperature</b>	<b>Time</b>
	+10 °C	~60 minutes
	+20 °C	~30 minutes
	+30 °C	~15 minutes

## Curing Time

Substrate temperature	Minimum	Maximum
+10 °C	~36 hours	*
+20 °C	~24 hours	*
+30 °C	~12 hours	*

\* No maximum waiting time with broadcast surfaces.  
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	~48 hours	~5 days	~10 days
+20 °C	~24 hours	~3 days	~7 days
+30 °C	~16 hours	~2 days	~5 days

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

## 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.

## 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.

## FURTHER DOCUMENTS

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

## LIMITATIONS

- After application, Sikafloor®-3570 must be protected from damp, condensation and direct water contact (rain) for at least 24 hours.
- For exact colour matching, ensure the Sikafloor®-3570 in each area is applied from the same control batch numbers.
- When using light colour shades for coating (e.g. yellow or orange), it may be necessary to apply several coats of Sikafloor®-3570 to achieve full opacity (hiding power).
- Discard any material over the pot life recommendations.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

Select the most appropriate equipment required for the project:

#### Mixing

- Electric single or double paddle mixer (300–400 rpm)
- Scraper
- Clean mixing containers

### Application

- Mixed material carrier
- Squeegee
- Fleece rollers

## SUBSTRATE QUALITY / PRE-TREATMENT

### Concrete and cementitious screeds

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum tensile 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.

Cementitious substrates must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured gripping surface profile suitable for the product thickness.

High spots can be removed by grinding.

Weak cementitious substrates must be removed and surface defects such as blow holes and voids must be fully exposed.

Repairs to the substrate, filling of cracks, blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials. Products must be cured before applying Sikafloor®-3570.

All dust, loose and friable material must be completely removed from all surfaces before application of the product and associated system products, preferably by vacuum extraction equipment.

### Sikafloor® resins

The applied broadcast resin floor (epoxy, polyurethane, polyurea-hybrid and polyurea resin) surface must be tack free, clean and dry.

If dust exists on the surface, it must be completely removed before application of the product, preferably by vacuum extraction equipment.

## MIXING

Prior to mixing all parts, mix part A (resin) using an electric single paddle mixer or other suitable equipment, mix liquid and all the coloured pigment until a uniform colour / mix has been achieved. Add part B (hardener) to part A and mix part A + B continuously for 3.0 minutes until a uniformly coloured mix has been achieved. To ensure thorough mixing pour materials into a clean container and mix again for at least 1.0 minute to achieve a smooth consistent mix. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only. Mixing time for A+B = ~4.0 minutes.

## APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures.

### Concrete and cementitious screeds

Pour the mixed Sikafloor®-3570 onto the prepared substrate and spread evenly using a squeegee at the required consumption rate. Then using a short-piled roller, back roller in two directions at right angles to each other.

### Sikafloor® resins

After waiting the appropriate overcoating time, pour the mixed Sikafloor®-3570 onto the existing resin layer and spread evenly using a squeegee at the required consumption rate. For sealing broadcast layers, completely encapsulate the sand. Then using a short-piled roller, back roller in two directions at right angles to each other.

### General

A seamless finish can be achieved if a 'wet' edge is maintained during application.

## CLEANING OF TOOLS

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

## 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.

## 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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November 2020, Version 01.01  
020812050030000018