

PRODUCT DATA SHEET

Sikafloor® TC 374

(formerly MSeal TC 374)

Two-part epoxy top coat, pigmented, for car park systems

PRODUCT DESCRIPTION

Sikafloor® TC 374 is a two-part, pigmented, low viscous, lightly elasticized epoxy top coat. It cures to a tough, hard wearing, glossy finish.

USES

Sikafloor® TC 374 is primarily used as the top coat in certain car park systems.

CHARACTERISTICS / ADVANTAGES

- High wear resistance
- Lightly elasticised
- Attractive finish
- Easy to clean and maintain
- Low viscosity
- Easy to apply

APPROVALS / STANDARDS

CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material

CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Chemical Base	Epoxy resin						
Packaging	Sikafloor® TC 374 is supplied in 30 kg working packs.						
Shelf Life	Under the specified storage conditions the material has a shelf life of 12 months. For maximum shelf life under these conditions see "Best before" label.						
Storage Conditions	Store in original containers under dry conditions at a temperature between 15 – 25 °C. Do not expose to direct sunlight.						
Colour	Sikafloor® TC 374 is available in a wide range of RAL colours. For more information, please consult your local sales office.						
Density	<table border="1"> <tr> <td>Part A</td> <td>1,60 g/cm³</td> </tr> <tr> <td>Part B</td> <td>1,06 g/cm³</td> </tr> <tr> <td>Mixed product</td> <td>1,43 g/cm³</td> </tr> </table>	Part A	1,60 g/cm ³	Part B	1,06 g/cm ³	Mixed product	1,43 g/cm ³
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TECHNICAL INFORMATION

Shore D Hardness	After 14 days at +23°C	72	(EN ISO 868)
Abrasion Resistance	After 7 days at +23°C	55 mg (CS10 / 1000 g / 1000 cycles)	(EN ISO 5470-1)

APPLICATION INFORMATION

Mixing Ratio	100 : 20		
Consumption	Approx. 0,5 - 0,8 kg/m ²		
Ambient Air Temperature	Min.	8°C	
	Max.	35°C	
Relative Air Humidity	at 10°C	75%	
	at > 23°C	85%	
Substrate Temperature	Min.	8°C	
	Max.	35°C	
Pot Life	At 10°C	60 min	
	At 20°C	35 min	
	At 30°C	20 min	
Curing Time	At 10°C	7 d	
	At 20°C	5 d	
	At 30°C	3 d	
Waiting Time / Overcoating	Temperature	Minimum	Maximum
	At 10°C	24 h	3 d
	At 20°C	8 h	3 d
	At 30°C	3 h	2 d

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The coating to which Sikafloor® TC 374 is to be applied must be clean and dry and free from oil, grease and loose material and any other substance which may impair adhesion. Application should take place within

the re-coat intervals of the coating to which it is to be applied.

MIXING

Sikafloor® TC 374 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25 °C. Pour the entire contents of Part B into the container of Part A. DO NOT MIX BY HAND.

Mix with a mechanical drill and paddle at a very low speed (approx. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles.

DO NOT WORK OUT OF THE ORIGINAL CONTAINER. After proper mixing to a homogeneous consistency pour the mixed Parts A and B into a fresh container and mix for another minute.

APPLICATION

Sikafloor® TC 374 should be spread evenly with a squeegee followed by back rolling.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum.

Following application the material should be protected from direct contact with water for approx. 16 hours. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 16 hours after application (at 15 °C).

CLEANING OF TOOLS

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

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.

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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