

## PRODUCT DATA SHEET

# Sikafloor<sup>®</sup>-66

## Two Component Polyurethane Protective Coating

### DESCRIPTION

Sikafloor<sup>®</sup>-66 is a solvent based hardwearing, UV resistant polyurethane coating.

### USES

Sikafloor<sup>®</sup>-66 may only be used by experienced professionals.

Sikafloor<sup>®</sup>-66 may be used internally or externally on floors or walls, where a very durable, decorative protective coating is required, such as in:

- Workshops
- Factories
- Laboratories
- Kitchens
- Passage ways
- Steel tanks and pipes

### CHARACTERISTICS / ADVANTAGES

- Excellent adhesion
- Hard, very durable surface finish
- High gloss - easy to clean
- Very good chemical resistance
- UV resistant - Non - yellowing
- Quick drying

### PRODUCT INFORMATION

<b>Chemical Base</b>	Solvent based polyurethane
<b>Packaging</b>	5 ltr and 2.5 ltr containers
<b>Appearance / Colour</b>	Liquid      Clear Gloss and Matt
<b>Shelf Life</b>	12 months in original, unopened container.
<b>Storage Conditions</b>	Store in a dry area between 5°C and 30°C. Protect from direct sunlight.
<b>Density</b>	Approximately 1,25 kg/litre mixed (colours) and 1,00 kg/litre mixed (clear)

## SYSTEM INFORMATION

<b>Systems</b>	<b>Primer:</b> Sikafloor®-66			
	Low/medium porosity concrete:	1 x coat		
	High porosity concrete:	2 x coats		
	<b>Coating:</b> Sikafloor®-66	2 x coats		
<b>Consumption</b>	Primer: Sikafloor®-66 8 – 10 m <sup>2</sup> / litre per coat. Coating: Sikafloor®-66 a min. of two coats at between 8 – 10 m <sup>2</sup> /litre per coat should be applied. Consumption is dependant on substrate conditions such as permeability, quality, profile and wastage, etc.			
<b>Ambient Air Temperature</b>	Min. 10°C – max. 35° C			
<b>Substrate Temperature</b>	Min. 10°C – max. 30°C. Substrate temperature must always be at least 3°C above the dew point.			
<b>Pot Life</b>	<b>Temperature</b>	<b>Time (minutes)</b>		
	+10°C	45 min		
	+20°C	25 min		
	+30°C	15 min		
	Times are approximate and will be affected by changing ambient conditions.			
<b>Curing Time</b>	<b>Temperature</b>	<b>Tack free</b>	<b>Foot traffic (hrs)</b>	<b>Full cure (days)</b>
	10°C	5 hrs	24 hrs	12 days
	20°C	3 hrs	12 hrs	7 days
	30°C	1.5 hrs	8 hrs	5 days
<b>Waiting Time / Overcoating</b>	<b>Temperature</b>	<b>Minimum (hours)</b>	<b>Maximum (hours)</b>	
	+10°C	16	36	
	+20°C	12	24	
	+30°C	8	12	

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The concrete substrate must be sound and of sufficient compressive strength (min. 20 N/mm<sup>2</sup> (MPa) with a minimum surface tensile pull off strength of 1.5 N/mm<sup>2</sup> (MPa).

The surface must be dry and free of all contaminants such as oils, grease, coatings and surface treatments, etc.

The substrate must be prepared mechanically to remove cement laitance and achieve a profile open textured surface.

Weak concrete should be removed and surface defects such as honeycombed areas, blowholes and voids must be fully exposed.

Repairs to substrate, filling of blowholes/voids and surface levelling should be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.

Porous surface must be primed with Sikafloor®-66 at 8 - 10 m<sup>2</sup>/litre. Allow to become tack free for at least 4 hours (at 20°C) before overcoating with pigmented Sikafloor®-66. Steel surfaces must be primed with a suitable epoxy resin based anti-corrosive primer. It is advisable to vigorously brush the prime coat into the

substrate.

Concrete substrates should be prepared mechanically using abrasive blast cleaning or grinding equipment. All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by vacuum.

Metal substrates should be thoroughly cleaned and degreased with Sika® Kwiklean water soluble solvent before they are mechanically abraded, water or grit blasted.

### MIXING

Pour Part B into Part A and mix thoroughly using a flat bladed paddle, steel spatula or slow speed drill (400-600Rpm) for at least 3 minutes and until a homogeneous consistency is achieved. Use immediately.

### APPLICATION

Sikafloor®-66 can be applied by brush, roller or air-less spray

### CLEANING OF TOOLS

Clean all tools and equipment immediately after use with Sika® Thinner C.

## LIMITATIONS

Do not apply Sikafloor®-66 on substrate in which significant vapour pressure may occur.

Always ensure good ventilation when using Sikafloor®-66 in a confined space.

Freshly applied Sikafloor®-66 should be protected from damp, condensation and water for at least 24 hours.

Avoid puddles on surface.

Can be used as a seal coat.

Use spark proof mixing equipment for internal applications.

Do not apply to damp substrates.

Concrete should be at least 28 days old prior to coating.

Maximum moisture content of substrate: 4%.

Cogniscance must be taken of dew points.

For external applications, apply on a falling temperature. If applied during rising temperatures "pin holing" may occur.

## 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

### 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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#### Product Data Sheet

Sikafloor®-66  
August 2020, Version 01.03  
020812050030000001

Sikafloor-66-en-ZA-(08-2020)-1-3.pdf