

**Product Data Sheet**  
Edition 09/05/16  
Identification no:  
010801040290000001  
Sikafloor®-66 ZA

# Sikafloor®-66 ZA

## Two Component Polyurethane Protective Coating

### Product Description

Sikafloor®-66 ZA is a solvent based hardwearing, UV resistant polyurethane coating.

### Uses

Sikafloor®-66 ZA 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 Data

#### Form

**Appearance / Colours** Liquid Clear Gloss and Matt, Dark Grey, Beige, White

**Packaging** 5 and 20 litre metal containers.

#### Storage

**Storage Conditions / Shelf-Life** 12 months in original, unopened container. Store in a dry area between 5°C and 30°C. Protect from direct sunlight.

### Technical Data

**Chemical Base** Solvent based polyurethane

**Density** Approximately 1,25 kg/litre – mixed (colours) and 1,00 kg/litre – mixed (clear)

Construction



## System Information

<b>System Structure</b>	<b>Primer:</b> Sikafloor®-66 ZA Low/medium porosity concrete: 1 coat @ 8 m <sup>2</sup> / litre High porosity concrete: 2 coats @ 10 m <sup>2</sup> / litre <b>Coating:</b> Sikafloor®-66 ZA 8 – 10 m <sup>2</sup> / L / coat 2 coats are required.
-------------------------	--

## Application Details

<b>Consumption / Dosage</b>	<b>Primer:</b> Sikafloor®-66 ZA 8 – 10 m <sup>2</sup> / litre per coat. <b>Coating:</b> Sikafloor®-66 ZA 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>Substrate Quality</b>	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.
--------------------------	---

<b>Substrate Preparation / Priming</b>	Porous surface must be primed with Sikafloor®-66 ZA 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 ZA. 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.
--	--

## Application Conditions / Limitations

<b>Substrate Temperature</b>	Min. 10°C – max. 30°C. Substrate temperature must always be at least 3°C above the dew point.
<b>Ambient Temperature</b>	Min. 10°C – max. 35° C

## Application Instruction

<b>Mixing Ratio</b>	Mix full kits as supplied
<b>Mixing Time</b>	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. <b>Use immediately.</b>
<b>Application Method / Tools</b>	Sikafloor®-66 ZA can be applied by brush, roller or air-less spray.

**Cleaning of Tools** Clean all tools and equipment immediately after use with Sika® Kwiklean.

**Pot Life / 1 litre (Clear)**

Temperature	Time (minutes)
+10°C	45 min
+20°C	25 min
+30°C	15 min

Times are approximate and will be affected by changing ambient conditions.

**Waiting Time / Overcoatability**

*Solvent containing products*

Temperature	Minimum (hours)	Maximum (hours)
+10°C	16	36
+20°C	12	24
+30°C	8	12

**Notes on Application / Limits**

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

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

Freshly applied Sikafloor®-66 ZA 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.

**Curing Details**

Temperature	Tack free	Foot traffic (hours)	Full cure (days)
10°C	5 hrs	24 hrs	12 days
20°C	3 hrs	12 hrs	7 days
30°C	1½ hrs	8 hrs	5 days

**Value Base**

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.

**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## 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 or access on the Internet under [www.sika.co.za](http://www.sika.co.za).



Sika South Africa (Pty) Ltd  
9 Hocking Place,  
Westmead, 3608  
South Africa

E – mail: [headoffice@za.sika.com](mailto:headoffice@za.sika.com)  
Phone +27 31 792 6500  
Telefax +27 31 700 1760  
[www.sika.co.za](http://www.sika.co.za)

