

# PRODUCT DATA SHEET

## SikaTop<sup>®</sup>-107 Plus

### CEMENTITIOUS WATERPROOFING COATING PLUS - 2 COMPONENT

#### DESCRIPTION

SikaTop<sup>®</sup>-107 Plus is a two component, pre-packed polymer modified cementitious waterproofing slurry mortar comprising of a liquid polymer and cement with selected grades of sand and several admixtures. It has excellent adhesion and high performance.

#### USES

For external and internal waterproofing, crack sealing, on concrete, mortar, brickwork, and steel in:

- Swimming pool
- Water tank
- Fish pond
- Toilet
- Balcony

#### CHARACTERISTICS / ADVANTAGES

- With composition that easy to apply
- Good impermeable
- Excellent adhesion and good resistance to abrasion
- Non-toxic for drinking water tank, fish pond, and swimming pool
- Slightly flexible
- Factory mixed – consistent quality
- Easy to use and apply, only requires mixing of both material

#### PRODUCT INFORMATION

<b>Packaging</b>	4 kg set	Comp A (Liquid) = 1 kg
	36 kg set	Comp B (Powder) = 3 kg
		Comp A (Liquid) = 9 kg
		Comp B (Powder) = 27 kg

<b>Appearance / Colour</b>	<b>FORM</b>	<b>COLOURS</b>
	Comp. A = Liquid	Comp. A = White
	Comp. B = Powder	Comp. B = Grey
		Comp. A + B = Concrete Grey

<b>Shelf Life</b>	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging
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<b>Storage Conditions</b>	Store in dry conditions at temperatures between +5 °C and +30 °C.
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<b>Density</b>	~1.95 ± 0.05 kg/L (part A + B mixed)
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#### TECHNICAL INFORMATION

<b>Compressive Strength</b>	28 days ~22.0 N/mm <sup>2</sup>
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Tensile Strength in Flexure 28 days ~10.0 N/mm<sup>2</sup>

Tensile Adhesion Strength 28 days ~1.0 N/mm<sup>2</sup>

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Comp. A (liquid) : comp. B (powder) = 1 kg : 3 kg (by weight) Comp. A (liquid) : comp. B (powder) = 1 : 2.25 (by volume)
<b>Consumption</b>	1 - 1.5 kg set/m <sup>2</sup> /coat (using brush, depend on substrate surface) 2 coats always required
<b>Ambient Air Temperature</b>	8 °C to 40 °C
<b>Pot Life</b>	at +30 °C ~30 min
<b>Curing Treatment</b>	Curing Time = 2 - 6 hours/layer

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Concrete / screed / plaster surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, dust, and loosely adhering particles.

Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions.

Steel / Iron surface must be clean, free of oil, grease and rust.

### MIXING

- Pour approximately 1/2 of Component A into mixing vessel then add Component B slowly and mix properly.
- Add remaining component A while continuing to mix. Mix to a uniform consistency.
- Mixing time is 3 minutes. A slow speed mixer is recommended (300 – 600 rpm).

### APPLICATION

- Apply with brush min. 2 coats.
- After the 1st coat dry (2-6 hours), apply the 2nd coat with a crosswise direction.

### IMPORTANT NOTES

**Must use component A (liquid) and B (powder) of SikaTop®-107 Plus in 1 set, CANNOT be replaced one of them with other brand or added with other ingredients (water, cement or sand).**

### CURING TREATMENT

As cement based product, curing is important. Protect the freshly applied product against direct sunlight and strong winds. Use damp hessian or plastic sheet. Protect the applied SikaTop from rain and water splashes until fully hardened (~ 6 hours).

## LIMITATIONS

- Do not use more than 2 kg/m<sup>2</sup>/coat
- It is suggested that SikaTop®-107 Plus should be protected with 2-3 cm of cement screed.
- When required to provide a smooth and level surface, levelling screed or render shall be placed before the application of SikaTop®-107 Plus. It is recommended that bonding coat is used (e.g. SikaTop®-77 D : cement : sand = 1:2:1) before screeding.
- If the substrate (that SikaTop®-107 Plus is applied on it) cannot dry, the polymer emulsion of SikaTop®-107 Plus will not be coalesced and will not be cured.
- For tile application on SikaTop®-107 Plus, use Sika® TileFix-200 TA. For optimum result, Sika® TileFix-200 TA should be applied max. 48 hours after SikaTop®-107 Plus application.

## BASIS OF PRODUCT DATA

All technical data stated in this 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 declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

## 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.

## 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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