

PRODUCT DATA SHEET

SikaTop®-107 Seal ID

WATERPROOFING SLURRY

DESCRIPTION

Two component, pre-dosed, ready for use waterproofing slurry based on resin modified cementitious material.

USES

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

- Basements
- Swimming pools
- Water tanks
- Flat roofs
- Balconies, terraces
- Bridges, etc.

CHARACTERISTICS / ADVANTAGES

SikaTop®-107 Seal ID provides the following beneficial properties:

- Pre-dosed mix
- Easy to mix
- Easy to use
- Consistency can be chosen for application by brush or by trowel
- Good adhesion on sound substrates
- Impermeable
- Good resistance to abrasion and erosion
- No drying or shrinkage cracks if used according to instruction
- Non-corrosive, non-flammable
- Non toxic
- Slightly flexible

PRODUCT INFORMATION

Packaging	25 kg set	
Appearance / Colour	Form A = Liquid B = Powder	Color Concrete grey
Shelf life	9 months from the date of production when undamaged and unopened original container.	
Storage conditions	Store in dry, cool, and shaded place conditions at temperatures between +5 °C and +30 °C.	
Density	2.1 – 2.2 kg/L (part A + B mixed)	

TECHNICAL INFORMATION

Compressive Strength	28 days	~30 N/mm ²	(ASTM C-109)
Tensile Strength in Flexure	28 days	~8 N/mm ²	(ASTM C-348)
Tensile Adhesion Strength	28 days	~1.1 N/mm ²	

APPLICATION INFORMATION

Mixing Ratio	For brush application For trowel application	1 : 4 by weight 1 : 4.5 by weight
Consumption	Depending on type of application, 2 coats always required 1 - 1.5 kg/m ² per coat.	
Pot Life	~50 minutes	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar, brickwork:

Sound, clean, free of oil, grease, dust or laitance, as even possible absorbent substrates have to be thoroughly watered and must be damp wet prior to application of first coat of SikaTop®-107 Seal ID.

MIXING

Pour half of component A (liquid) into mixing vessel. Add all component B (powder) and mix until you have slurry of uniform consistency. Add rest of component A and mix again until you have uniform, lump-free mixture. A mechanical slow speed mixer is recommended. Mixing time 2-3 minutes. If SikaTop®-107 Seal ID is to be applied by trowel, use only 90% of component A (liquid).

APPLICATION

By brush:

On vertical surface use suitable brush with synthetic bristles. On horizontal surface use rubber slide or push-broom.

By trowel:

For first coat use tooth trowel with 3 mm teeth, for second coat use normal flat trowel. Always apply a minimum of 2 coats, the first coat on the still damp, (pre-wetted) substrate. The second coat is to be applied after the first coat started to set and can support the following coat, usually after 2-6 hours, depending on climate. Finish off by brushing with dry sponge when setting of second coat has started. Maximum waiting time between first and second coats is 48 hours.

CURING TREATMENT

As with all cement based products, 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).

IMPORTANT CONSIDERATIONS

- Do not use more than 2 kg/m² per coat.
- For roofing or other structures directly exposed to U.V light, it is suggested that SikaTop is 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 the waterproofing compound. It is recommended that bonding coat is used (e.g. SikaTop 77 D : cement : sand = 1 : 2 : 1) before screeding.
- If the substrate to which the SikaTop®-107 Seal ID is applied cannot dry, the polymer emulsion in it will not coalesce and the SikaTop®-107 Seal ID will not cure to a waterproof thin render.
- For application of tile on top of SikaTop®-107 Seal ID, then SikaCeram® Series should be used. For optimum result SikaCeram® Series should be applied max. 48 hours after application of finish coat of SikaTop®-107 Seal ID (finish coat applied by brush).

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

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.

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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