

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 and mortar in:

- Toilets
- Flat roofs (small area)
- Balconies, terraces
- Swimming pools
- Water tanks, 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	
Shelf life	9 months from the date of production when stored in undamaged and unopened original container.	
Storage conditions	Store in dry, cool, and shaded place conditions at temperatures between +5 °C and +30 °C.	
Appearance and colour	Form A = Liquid B = Powder	Color Concrete grey
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	~20 minutes (at +30 °C)	

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.

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® TileFix Series should be used. For optimum result SikaCeram® TileFix Series should be applied max. 48 hours after application of finish coat of SikaTop®-107 Seal ID (finish coat applied by brush).

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete and mortar:

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 90% 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:

- Use flat trowel to distribute SikaTop®-107 Seal ID into prepared substrate with consumption 1 - 1.5 kg/m² per coat. Always apply a minimum of 2 coats.
- The first coat has to be applied on the damp substrate (pre-wetted).
- The second coat will 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.
- Use Sika Sovamesh 80 as reinforcement membrane when necessary at corner and detailing area.

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).

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 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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