

PRODUCT DATA SHEET

SikaTop® Seal-105 TH

PROTECTIVE LINING AND WATERPROOFING SLURRY

DESCRIPTION

SikaTop® Seal-105 TH is a cementitious base, 2-component polymer modified waterproofing slurry coating. It is applied to concrete and mortar to prevent water infiltration.

USES

SikaTop® Seal-105 TH can be used for external and internal water-proofing, repair work and protection from waterborn salts. Areas of application:

- Fresh water tank
- Basements
- Terraces and balconies
- Bridges
- Retaining walls
- Sealing hairline cracks, not subjected to movement.

CHARACTERISTICS / ADVANTAGES

SikaTop® Seal-105 TH provides the following beneficial properties:

- Pre-batched components
- Easy mixing and application
- Slurry or trowel able consistency
- Good adhesion to sound surfaces
- Impermeable
- Effective barrier against carbonation process
- Non -toxic
- Non corrosive
- Slightly flexible

PRODUCT INFORMATION

Packaging	25 kg set (A+B) Component A : 5 kg pail Component B : 20 kg bag
Appearance / Colour	Component A : Liquid / White Component B : Powder / Grey
Shelf life	6 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry, cool and shaded place.
Density	Component A : ~ 1.02 kg/L Component B : ~ 1.40 kg/L (bulk density) Freshly mixed mortar : ~ 2.10 kg/L

APPLICATION INFORMATION

Mixing Ratio	Slurry consistency: Component A : B = 1 : 4.0 (parts by weight)
Consumption	1 set yields approx. 11.9 litters of mortar (trowel able consistency)

- Waterproofing bathrooms, terraces, balconies: 1.5 kg/m² per coat.
- Waterproofing up to 1 m water pressure: 1.5 kg/ m² per coat.
- Waterproofing above 1 m water pressure or frost protection: 2.0 kg/m² per coat.
- 2 coats are always required.

Note: 3 coats may be required in areas of extremely high infiltration.

Layer Thickness	Maximum 2 mm
Ambient Air Temperature	8°C - 40°C
Pot Life	~ 30 minutes (at 27°C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil. Absorbent surfaces have to be thoroughly saturated with water prior application of first coat of SikaTop® Seal-105 TH.

MIXING

Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result. The consistency of the mix can be altered by reducing the amount of component A (liquid) to be used. For a trowel able consistency, use only 90% of component A (approx. 4.5 kg). Mix in a clean container by slowly adding the powder component to the liquid component and stir with slow speed electric mixer (500 r.p.m.).

APPLICATION

Whilst the substrate is still damp from saturation, apply the first coat. Leave to harden for 4-8 hours approximately at the temperatures above 20°C before applying the second coat. For slurry consistency, apply with a hard plastic bristled brush or broom. For floor applications, to avoid risk of damage to the first coat, it is recommended that the second coat be applied after 24 hours. If the second coat is applied 12 hours or later, the first coat shall be slightly prewetted, preferably using a fine spraying.

CURING TREATMENT

Generally not required but some precautions should be taken for applications done directly under sunlight and windy conditions.

CLEANING OF EQUIPMENT

Clean tools and equipment immediately with water. Hardened material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Never apply more than 4 kg/ m² of SikaTop® Seal-105 TH in one single layer.
- SikaTop® Seal-105 TH is not a decorative treatment and may display signs of "blooming" in damp weather conditions.
- This does not affect the quality of the coating in any way.
- Do not use for process water retaining structures in the food and beverage industry

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall 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.

Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi
Industrial Estate, T. Klong Tamhru
A. Muang, Chonburi 20000, Thailand
Tel : +66 3810 9500
E-mail : sikathai@th.sika.com
Website: tha.sika.com



Product Data Sheet

SikaTop® Seal-105 TH
March 2020, Version 01.02
020701010020000155

SikaTopSeal-105TH-en-TH-(03-2020)-1-2.pdf