

PRODUCT DATA SHEET

SikaTop[®]-107 Seal VN

Flexible protective and waterproofing slurry mortar

DESCRIPTION

A cementitious base, 2-component polymer modified waterproofing slurry coating. It is applied to concrete and mortar to prevent water infiltration.

USES

SikaTop[®]-107 Seal VN can be used for external and internal water-proofing, repair work and protection from frost and de-icing agents. Areas of application:

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

CHARACTERISTICS / ADVANTAGES

SikaTop[®]-107 Seal VN provides the following beneficial properties:

- Pre-batched components
- Easy mixing and application
- Slurry consistency
- Good adhesion to sound surfaces
- Impermeable
- Effective barrier against carbonation process
- Non-toxic
- Non corrosive
- Slightly flexible
- Can be spray applied

APPROVALS / STANDARDS

Local test reports are available

PRODUCT INFORMATION

Packaging	25 kg set (A+B) Component A: 5 kg pail Component B: 20 kg bag
Shelf life	Min. 6 months if stored properly in unopened, original packaging
Storage conditions	Dry, cool, shaded place
Appearance / Colour	Component A: Liquid / White Component B: Powder / Grey
Density	Component A : ~ 1.02 kg/ltr Component B : ~ 1.40 kg/ltr (bulk density) Freshly mixed mortar : ~ 2.10 kg/ltr
Tensile Adhesion Strength	≥ 0.7 N/mm ² (on prepared, dampened concrete substrate)

APPLICATION INFORMATION

Mixing ratio	Slurry consistency: Component A : B = 1 : 4.0 (parts by weight)
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Crack bridging application:

Component A : B = 1 : 1 - 2.5 (parts by weight)

Consumption	<ul style="list-style-type: none">▪ Waterproofing bathrooms, terraces, balconies: ~1.5 -2.0 kg/m² per coat▪ Waterproofing up to 1m water pressure: ~1.5 -2.0 kg/m² per coat▪ Waterproofing above 1m water pressure or frost protection: ~2.0 kg/m² per coat Always requires at least 2 coats. For extremely high infiltration area, 3 coats may be required.
Substrate Temperature	Minimum +8 °C Maximum +40 °C
Pot Life	~ 30 minutes (at 27 °C / 65 % r.h)

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.

IMPORTANT CONSIDERATION

- Never apply more than 4 kg/m² of SikaTop®-107 Seal VN in one single layer.
- SikaTop®-107 Seal VN 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.
- Allow at least 3 days of air curing before subjecting SikaTop®-107 Seal VN to submersion.
- Always using bonding agent with SikaLatex® to avoid de-bonding issue for application of rendering mortar or protection layer.
- Trials should be always conducted before application.
- Always refer to the latest updated product data sheet.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Absorbent surfaces have to be thoroughly saturated with water prior application of first coat of SikaTop®-107 Seal VN.

MIXING

Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result.
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 approximately 4-8 hours at the temperatures above 20 °C before applying the second coat.

For slurry consistency, apply with a hard plastic bristled brush, broom or by trowel.

For floor applications, to avoid risk of damage to the previous coats, it is recommended to apply the next coat after 24 hours.

If the subsequent coat is applied 12 hours or later, the slightly prewetted, preferably using a fine spraying. For more details, please refer to our Technical Service Department.

CURING TREATMENT

As with all cement based products, it is essential to cure SikaTop®-107 Seal VN immediately after application against direct sunlight, wind, rain and frost for a minimum of 3 to 5 days to ensure full cement hydration and to minimise cracking.

Use polythene sheeting or similar approved methods.

CLEANING OF TOOLS

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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 war-

ranty 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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