

Product Data Sheet
Edition 01/07/2011.
Identification no. 7.1.009
Version No. 00
SikaTop® Seal 105 VN

SikaTop® Seal 105 VN

Flexible Protective and Waterproofing Slurry

| | |
|----------------------|---|
| Description | A cementitious base, 2-component polymer modified waterproofing slurry coating. It is applied to concrete and mortar to prevent water infiltration. |
| Uses | <p>SikaTop® Seal 105 VN can be used for external and internal water-proofing, repair work and protection from frost and de-icing agents. Areas of application:</p> <ul style="list-style-type: none"> ■ Potable water tank ■ Basements ■ Terraces and balconies ■ Bridges ■ Retaining walls ■ Sealing hairline cracks, not subjected to movement. |
| Advantages | <p>SikaTop® Seal 105 VN provides the following beneficial properties:</p> <ul style="list-style-type: none"> ■ 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 Data | |
| Form / Colour | <p>Component A : Liquid / White</p> <p>Component B : Powder / Grey</p> |
| Packaging | <p>25 kg set (A+B)</p> <p>Component A : 5 kg pail</p> <p>Component B : 20 kg bag</p> |
| Storage | Dry, cool, shaded place |



| | |
|-------------------|--|
| Shelf life | Min. 6 months if stored properly in unopened, original packaging |
|-------------------|--|

Technical Data

| | | |
|----------------|------------------------|------------------------------|
| Density | Component A : | ~ 1.02 kg/ltr |
| | Component B : | ~ 1.40 kg/ltr (bulk density) |
| | Freshly mixed mortar : | ~ 2.10 kg/ltr |

| | |
|---------------------|---|
| Mixing ratio | Slurry consistency: |
| | Component A : B = 1 : 4.0 (parts by weight) |

| | |
|--------------------|--|
| Consumption | 1 set yields approx. 11.9 liters of mortar (trowel able consistency) |
|--------------------|--|

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

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

| | |
|-----------------|------------------------|
| Pot life | ~ 30 minutes (at 27°C) |
|-----------------|------------------------|

| | |
|--|--------------|
| Layer thickness per application | Maximum 2 mm |
|--|--------------|

| | |
|--------------------------------|---------------|
| Application temperature | Minimum 8 °C |
| | Maximum 40 °C |

Application

| | |
|----------------------------|---|
| Surface preparation | 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 VN. |

| | |
|---------------|---|
| 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 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 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. For more details, please refer to our Technical Service Department. |
|--------------------|--|

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

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

| | |
|-------------------------------------|--|
| Notes/ Limits on application | Never apply more than 4 kg/ m ² of SikaTop® Seal 105 VN in one single layer. SikaTop® Seal 105 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. |
|-------------------------------------|--|

Health and Safety Information

| | |
|------------------------|---|
| Ecology | Water poluting, Dispose as per local regulation |
| Transportation | Not Hazardous |
| Toxicity | Non toxic |
| Important notes | SikaTop [®] Seal 105 VN is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention. |
| Disclaimer | <i>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.</i> |



Sika Limited (Vietnam)
Nhon Trach 1 Industrial Zone,
Nhon Trach Dist., Dong Nai Province
Tel: (84-61) 3560 700 Fax: (84-61) 3560 699
www.sika.com.vn, sikavietnam@vn.sika.com

