

PRODUCT DATA SHEET

SikaTop[®]-103 Seal

Polymer-modified cementitious waterproofing slurry

DESCRIPTION

SikaTop[®]-103 Seal is supplied as a two component material, a blend of polymers, cements, graded fillers and chemical binders. It is a polymer modified cementitious waterproofing slurry. It is applied to concrete and mortar to prevent water infiltration. The two components of SikaTop[®]-103 Seal are simply mixed at site to form a highly workable coating, which can be brushed or roller applied to the prepared substrate.

USES

- Bathroom floors and walls
- Basements
- Retaining walls
- Lift pits, water retaining structures

CHARACTERISTICS / ADVANTAGES

- Prepacking components with consistent quality
- Easy to mix and apply
- Suitable for horizontal and vertical application
- Excellent adhesion qualities
- Impermeable
- Water base

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Packaging | 25 kg set (20 kg powder & 5 kg gauging liquid) 15 kg set (12 kg powder & 3 kg gauging liquid) |
| Shelf Life | 9 months from the date of production |
| Storage Conditions | Store in cool and dry conditions in the original and unopened packaging. Exposure to high humidity and high temperature may reduce the shelf life. |

TECHNICAL INFORMATION

| | |
|------------------------------------|--------------------|
| Compressive Strength | > 20 MPa (3 days) |
| Tensile Strength in Flexure | > 5 MPa (3 days) |
| Tensile Adhesion Strength | > 1.0 MPa (7 days) |
| Water Absorption | < 4 % |

APPLICATION INFORMATION

| | |
|-------------------------|------------|
| Initial Set Time | > 45 min |
| Final Set Time | < 24 hours |

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.

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 (MSDS) containing physical, ecological, toxicological and other safety-related data.

VOC DATA

The maximum content of SikaTop®-103 Seal is 10 g/L VOC for the ready to use product.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Remove all grease oil and loose particles. Steel surfaces must be clean and rust free. All absorbent substrates must be dampened down with clean fresh water prior to the application of the SikaTop®-103 Seal.

MIXING

Pour all of the liquid component into a clean dry mixing container and mix using a slow speed drill fitted with a paddle. Slowly add the powder component into the liquid and continue to mix. When all of the powder has been added, increase the mixing speed and continue to mix to produce a lump free slurry.

APPLICATION

Roller or brush apply SikaTop®-103 Seal in two coats. The second coat should be applied at right angles to the first and after the first coat has cured for 2–4 hours.

Avoid application in strong direct sunlight or drying winds. Observe material pot life and do not re-work or add water.

Sika® SealTape F is a recommended product to be used in conjunction with SikaTop®-103 Seal in order to achieve advanced water tightness in wet rooms and around wet area.

Coverage

1 kg/m²/coat (2 coats are required)

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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