

## PRODUCT DATA SHEET

# SikaTop<sup>®</sup>-551 Seal

(formerly MSeal 551)

Acrylic reinforced cementitious, flexible waterproofing coating for concrete and masonry

### DESCRIPTION

SikaTop<sup>®</sup>-551 Seal is a two-component acrylic modified cementitious coating applied by brush, roller or trowel to waterproof and resurface concrete, masonry, and most other construction materials. It is manufactured locally in India.

SikaTop<sup>®</sup>-551 Seal provides an effective barrier to waterborne salts and atmospheric gases. Fluid applied, SikaTop<sup>®</sup>-551 Seal provides a hard wearing, seamless, waterproof membrane for wet areas, roofs and foundation protection.

### USES

SikaTop<sup>®</sup>-551 Seal is ideal:

- To reface and even out variations in concrete surfaces
- As a waterproof lining for water retaining structures
- For coating seawater channels
- Sealing and coating tie bar holes to ensure water tightness
- To provide foundation protection
- As a waterproof coating for wet areas and sunken slabs.
- As a backing to marble and granite to prevent water ingress and thus alleviate surface staining
- To provide protection to concrete surfaces from carbonation and chloride attack.

### PRODUCT INFORMATION

#### Packaging

SikaTop<sup>®</sup>-551 Seal is available in 18 kg pack.  
Part A (Liquid) – 5 Kg in plastic container  
Part B (Powder) – 13 Kg in paper bag

#### Shelf life

SikaTop<sup>®</sup>-551 Seal can be kept for 12 months in original unopened packing when stored indoors.

#### Storage conditions

Store in original unopened packaging in cool and dry conditions between +5 °C and +35 °C. Protect from direct sunlight, rain and frost.

Density 1.75 + 0.05 (g/cc)

## TECHNICAL INFORMATION

Elongation at break	>120% (After 14 days),unbonded
Water penetration under pressure	Nil,when subjected to 5 to 7 bars water pressure (Depending on thickness adopted)

## APPLICATION INFORMATION

Layer thickness	Coverage 1.8 to 1.94 kg / m <sup>2</sup> at 1 mm thickness (Depending on surface undulations,porosity,etc) Recommended thickness 2 mm DFT
Ambient air temperature	+10°C min. / +40 °C max
Mixing ratio	Powder:Liquid = 2.6:1 by weight
Substrate temperature	+10°C min. / +40 °C max
Pot life	@ 25°C 2 hours @ 40°C 0.5 hours
Waiting time / Overcoating	8 -12 hrs (Depending on humidity,ventilation,temperature,etc)
Applied product ready for use	Approx 7 days (Full cure)

## 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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound direct tensile strength of more than 1.5 MPa via a pull off tester with a load rate of 100N/s), clean, and free from laitance, loose particles, oil and grease, old coatings, curing compounds or any other contaminants. Mechanical wire brushing may be appropriate for small areas.

Prior to priming use SikaEmaco® repair mortars to achieve a smooth and level surface by filling holes and irregularities

### MIXING

SikaTop®-551 Seal is supplied in premeasured units

and should be mixed on site utilising clean containers. Slowly add the powder to the liquid and mix, using a slow speed (300-500 rpm) drill fitted with a suitable paddle.

MIX and USE; do not mix more material than can be used in one hour. Do not apply to dry concrete.

Saturate concrete surfaces with clean water and apply whilst still damp (saturated surface dry), using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary.

For heavy 6-10mm depressions, honeycombs etc. use less gauging liquid and mix to the desired consistency. Where more than one coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried.

### APPLICATION

Saturate concrete surfaces with clean water and apply whilst still damp (saturated surface dry), using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary. Where more than one coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried at right angles to the direction of the first coat. It is recommended, for general resurfacing, that each coat should be a minimum of 1mm thick.

#### Protective Layer

Apply dash coat using Cement: River sand in 1:3 on final cured coat of SikaTop®-551 Seal and allow it to cure for 3-5 days followed by protective plaster ad-

mixed with our integral waterproofing admixture .  
For horizontal protection – Alternatively a suitable Tile adhesive can be used from our range as protective screed followed by fixing of tiles

## 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 India Pvt. Ltd.

620, Diamond Harbour Road  
Commercial Complex II  
Kolkata - 700 034  
West Bengal, India

### Contact:

Phone: +91 33 2447 2448  
Fax: +91 33 2397 8688  
info.india@in.sika.com  
www.sika.in



### Product Data Sheet

SikaTop®-551 Seal

September 2024, Version 02.01  
020701000000002026

SikaTop-551Seal-en-IN-(09-2024)-2-1.pdf