

PRODUCT DATA SHEET

SikaTop[®]-521 Seal

(formerly MSeal 521)

Polymer modified cementitious, durable, waterproof coating.

DESCRIPTION

SikaTop[®]-521 Seal is a two-component, acrylic modified, cementitious coating that requires only on-site mixing to form the ideal product to provide a durable, waterproof coating to re-surface concrete, masonry, and most other construction materials. SikaTop[®]-521 Seal imparts the natural concrete appearance.

USES

- To re-face and even out variations in concrete surfaces.
- As a waterproof coating for water-retaining structures like water tanks, pools, etc.
- To provide foundation protection 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.
- For use on pedestrian walkways in marine areas.

FEATURES

- Excellent adhesion – bonds to porous and non-porous surfaces
- Limited flexibility
- Suitable for light pedestrian traffic
- Breathable – whilst repelling water, allows substrate to breathe
- Slurry or trowelable consistency; application is still possible by spray
- Unlike conventional coatings, which require a 7-28 day cure of concrete,

PRODUCT INFORMATION

Composition	SikaTop [®] -521 Seal is composed of specially selected cements, silica sand and reactive fillers supplied in powder form together with a liquid component of blended acrylic copolymers and wetting agents.
Packaging	Available in 20kg double pack (15kg powder+5kg liquid).
Shelf life	Up to 12 months if stored according to manufacturer's instructions in unopened containers.
Storage conditions	Store out of direct sunlight, clear of the ground, on pallets protected from rainfall. Avoid excessive compaction
Appearance and colour	Available in light grey and white
Density	Approx. 2000 kg/l

APPLICATION INFORMATION

Consumption	0.75-0.9kg/m ² /coat, depending on the substrate roughness. (Minimum 2 coats are required).
--------------------	--------------------------------------------------------------------------------------------------------

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.

SUBSTRATE PREPARATION

As with all coating systems, surface preparation is of prime importance. Remove all grease, oil, dust and residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro jetting. Mechanical wire brushing may be appropriate for small areas. Spalled concrete should be cut back to sound concrete and made good with a suitable cementitious repair mortar.

MIXING

SikaTop®-521 Seal is supplied in pre-measured units and should be mixed on site utilising clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle. MIX AND USE. Do not mix more material than can be used in one hour. NOTE: Although SikaTop®-521 Seal is supplied in pre-measured packs, part packs can be used by mixing 4.5 parts of powder to 1 part of liquid by weight; mix thoroughly and keep mixed during application.

APPLICATION

Do not apply to dry concrete. Saturate concrete surfaces with clean water whilst still visibly damp, but free of standing water. Apply, 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.

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.

Sika Egypt

1st Industrial Zone (A)
Section #10, Block 13035
El Obour City, Egypt
TEL: +202 44810580
FAX: +202 44810459
egy.sika.com



Product Data Sheet

SikaTop®-521 Seal
September 2024, Version 02.01
02070100000002012