

PRODUCT DATA SHEET

SikaTop®-555 Seal HK

Polymer-Modified Highly Elastic Cementitious Waterproofing Slurry

DESCRIPTION

SikaTop®-555 Seal HK is a 2-component, polymer-modified elastic cementitious waterproofing coating. It is applied to concrete and mortar as an elastic waterproofing coating to prevent water infiltration.

USES

SikaTop®-555 Seal HK is used for waterproofing, sealing of hairline cracks and as a protective coating against aggressive elements such as carbon dioxide (e.g. in concrete repair work), frost and deicing agents.

Areas of Application:
For interior or exterior area

CHARACTERISTICS / ADVANTAGES

- Highly elastic with good crack bridging capability
- Pre-batched components with consistence quality
- Easily applied by roller or brush
- Good adhesion to sound substrates
- Cementitious with low VOC
- Impermeable
- Increased frost and salt resistance
- Decreases carbon dioxide penetration
- Non-toxic, same as cement

PRODUCT INFORMATION

Chemical Base	Component A : liquid polymer and additives Component B : Portland Cement, selected aggregates
Packaging	36 kg set (20 kg bag and 16 kg pail)
Shelf Life	9 months from date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in cool dry conditions. Protect from direct sunlight and frost.
Appearance / Colour	Component A : white liquid Component B : grey powder Mixed product: dark grey slurry
Density	Approx. 1.5 kg/l (wet mixed mortar)
Volatile Organic Compound (VOC) Content	It is non-regulated products according to Air Pollution Control (volatile organic compounds) Regulation of Hong Kong.
Tensile Strength	> 1 MPa
Tensile Adhesion Strength	> 1 MPa
Elongation at break	~ 250 % (7 days cured)
Water Absorption	< 4.9 x 10 ⁻¹⁴ m/s

Water Penetration Under Pressure	0 mm at 50 m head of water
Consumption / Yield / Dosage (PRINT single line)	<p>Approx. 1 kg/m²/coat (Overall coating thickness depend on the application area, substrate roughness and surface profile)</p> <ul style="list-style-type: none"> ▪ SikaTop®-555 Seal HK must be applied in a minimum of 2 coats. ▪ For high risk areas, apply an addition third coat.
Pot Life	<p>~ 80 minutes at + 20 °C. (Pot life will be shortened at higher temperature)</p>
Initial Set Time	0 ml/m ² /sec.

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.

USES

- Minimum ambient and substrate temperature is 8 °C.
- Never apply more than 2 kg/m² of SikaTop®-555 Seal HK in one single layer.
- For better keying, a bond coat is recommended using a mixture of Sika Latex and cement. For details, please refer to our product data sheet.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

VOC DATA

EQUIPMENT

- Slow Speed Mixer (maximum 500 rpm)
- Mixing Paddle with uplifted notched disk

SUBSTRATE QUALITY

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles.

Steel and iron surfaces must be clean, free from scale, rust, grease and oil. All surfaces must be as true and flat as possible.

Absorbent surfaces have to be thoroughly saturated with water prior to application of first coat of SikaTop®-555 Seal HK. However no loose standing water should be on the surface before application.

MIXING

Shake component A before using it. Pour the whole component A (liquid) into a clean mixing container.

While mixing at low speed, add slowly component B (powder) to the liquid component. Continue mixing for approx. 3 minutes until a creamy, lump free consistency is achieved.

APPLICATION

Whilst the substrate is still damp but free of standing water, apply the first coat by brush, roller or squeegee, working the material well into the surface to achieve full bond. Allow 2-4 hours (at 25 °C) for the first coat to cure before applying following coats.

An additional stripe coat is recommended over cracks, wall/floor intersections, etc. as these locations are where movement is most likely to be expected in service.

Sika® SealTape F is a recommended product to be used in conjunction with SikaTop®-555 Seal HK in order to achieve advanced water tightness in wet rooms and around wet area.

CURING TREATMENT

Curing for 3 days before ponding water test. After ponding water test finish then proceed tiling screeding work or others.

For cement based products, proper curing is important. Protect newly applied SikaTop®-555 Seal HK against direct sunlight, wind, rain and frost to ensure full cement hydration to minimize cracking.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

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 HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., H.K.
Phone: +852 26868108
Fax: +852 26453671
Mail: marketing@hk.sika.com
Website: www.sika.com.hk



Product Data Sheet

SikaTop®-555 Seal HK
August 2024, Version 01.01
020701010020000359

SikaTop-555SealHK-en-HK-(08-2024)-1-1.pdf