

PRODUCT DATA SHEET

SikaTop[®]-109 Elasto

CRACK BRIDGING CEMENTITIOUS POLYMER-MODIFIED WATERPROOFING COATING - 2 COMPONENT

DESCRIPTION

SikaTop[®]-109 Elasto is a two component, crack bridging cementitious polymer-modified waterproofing coating. It is applied to concrete and mortar to prevent water infiltration.

USES

For external and internal non-exposed waterproofing, on concrete and mortar in:

- Toilet
- Bathroom
- Wet Room e.g kitchen, laundry area
- Balcony, terrace
- Water tank
- Fish Pond
- Swimming pool, etc

FEATURES

- Pre-packed mix
- Easy to use and apply, only requires mixing of both material
- Flowable consistency
- Good adhesion on sound substrates
- Impermeable
- Good resistance to abrasion and erosion (non-exposed system)
- No drying or shrinkage cracks if used according to instruction
- Non-corrosive, non-flammable
- Non toxic
- Flexible
- Good crack bridging capability (up to 1 mm at +20 °C)

PRODUCT INFORMATION

Composition	Polymer modified Portland cement	
Packaging	35 kg sets (Comp. A: 14 kg and Comp. B: 21 kg)	
Appearance and colour	FORM	COLOUR
	Comp. A = Liquid	Comp. A = White
	Comp. B = Powder	Comp. B = Grey
	Comp. A + B = Slurry	Comp. A + B = Dark Grey
Shelf life	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging	
Storage conditions	Store in dry, cool, and shaded place conditions at temperatures between +5 °C and +30 °C	
Density	~1.5 kg/L (Comp. A + B mixed)	

TECHNICAL INFORMATION

Tensile strength	~1.0 N/mm ²	(ASTM D 412)
------------------	------------------------	--------------

Tensile strain at break	> 150 %	
Tensile adhesion strength	> 0.7 N/mm ² (on concrete)	
Crack bridging ability	Up to 1 mm (2 coats)	(EN 1062-7)
Water penetration under pressure	No penetration at consumption of 1.0 kg/m ² for 6 hours	(DIN 1048: Part 5)

APPLICATION INFORMATION

Mixing ratio	Comp. A (liquid) : Comp. B (powder) = 1 : 1.5 (by weight)
Consumption	~ 1.0 kg set/m ² /coat (using brush, depending on substrate surface and type of application). Always ensure waterproof coatings are applied in a minimum of 2 coats. For areas subject to high water ingress, apply a third coats at ~ 1.0 kg/m ² .
Ambient air temperature	+10 °C min. / +35 °C max.
Substrate temperature	+10 °C min. / +35 °C max.
Pot Life	~30 minutes (at +30 °C) Pot life is shorter at higher temperatures.

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.

IMPORTANT CONSIDERATIONS

- Do not use more than 2 kg/m² per coat.
- It is suggested that SikaTop®-109 Elasto is protected with 2-3 cm of cement screed. To get good bonding of cement screed, a bonding coat is recommended using a mixture of SikaLatex®, cement, water and fine sand. For details, please refer to SikaLatex® product data sheet.
- When required to provide a smooth and level surface, levelling screed or render shall be placed before the application of the waterproofing compound. To get good bonding of levelling screed or render, a bonding coat is recommended using a mixture of SikaLatex®, cement, water and fine sand. For details, please refer to SikaLatex® product data sheet.
- If the substrate to which the SikaTop®-109 Elasto is applied cannot dry, the polymer emulsion in it will not coalesced and the SikaTop®-109 Elasto will not cure to a waterproof thin render.
- For application of tile on top of SikaTop®-109 Elasto, then SikaCeram® TileFix Series should be used. For optimum result SikaCeram® TileFix Series should be applied max. 7 days after application of finish coat of SikaTop®-109 Elasto (finish coat applied by brush).

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

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete and Mortar :

Surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, dust, and loosely adhering particles.

Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions prior to application of first coat of SikaTop®-109 Elasto. However, no loose standing water should be on the surface before application.

MIXING

- Pour 90% of component A (liquid) into mixing vessel.
- Add all component B (powder) and mix until you have slurry of uniform consistency. Add rest of component A and mix again until you have uniform, lump-free mixture.
- A mechanical slow speed mixer is recommended. Mixing time 2-3 minutes.

APPLICATION

On vertical surface use suitable brush with synthetic bristles.
On horizontal surface use rubber slide or push-broom.

- Apply SikaTop®-109 Elasto into prepared substrate with consumption ~ 1.0 kg/m² per coat. Always apply a minimum of 2 coats.
- The first coat has to be applied on the damp substrate (pre-wetted).
- After the 1st coat dry (4-6 hours), apply the 2nd coat with a crosswise direction.
- Maximum waiting time between first and second coats is 48 hours.
- Use Sika reinforcement membrane when necessary at corner and detailing area.
- 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.

IMPORTANT NOTES :

**Must use component A (liquid) and B (powder) of SikaTop®-109 Elasto in 1 set, CANNOT be replaced one of them with other material or added with other ingredients (water, cement or sand).
Protect the applied product with screed, tile, or granit.**

CURING TREATMENT

Protect the freshly applied product against direct sunlight and strong winds.
Protect the freshly applied product from rain and water splashes until fully hardened. (± 6 hours).

CLEANING OF EQUIPMENT

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

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.

Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi
Industrial Estate, T. Klong Tamhru
A. Muang, Chonburi 20000, Thailand
Tel : +66 3810 9500
E-mail : sikathai@th.sika.com
Website: tha.sika.com



Product Data Sheet

SikaTop®-109 Elasto
November 2025, Version 05.01
020701010020000119

SikaTop-109Elasto-en-TH-(11-2025)-5-1.pdf