BUILDING TRUST

PRODUCT DATA SHEET

SikaTop® Seal-107 EL

Flexible , Waterproof and Protective Slurry mortar

DESCRIPTION

SikaTop® Seal-107 EL is a 2-component, polymer-modified , cementitous waterproof and protective slurry mortar for concrete. It is flexible to tolerate fine cracks and is suitable for both interior and exterior appliactions.

USES

- Tanks, swimming pools, canals or other elements intended to contain water whether buried or not.
- Interior watreproofing of basements
- External waterproofing of underground walls
- For internal and external, horizontal and vertical water and damp proofing of concrete, mortar, blockwork and brickworks.
- Waterproofing of water features under tiles.
- For sealing static hairline cracks in concrete structures.

CHARACTERISTICS / ADVANTAGES

- Achieving good flexibility, reducing the risk of cracking and improving the ability to bridge shrinkage cracks and microcracks.
- Waterproof and water vapour permeable.
- Withstands positive and negative pressure.
- Excellent adhesion on healthy substrates including concrete, cement mortars, bricks, etc.
- Approved for contact with drinking water
- Easy application

SUSTAINABILITY

VOC content < 100 mg/l

APPROVALS / CERTIFICATES

Authorized from the Egyptian National Authority for Drinking water and Waste Water.

PRODUCT INFORMATION

Composition	Improved cement mortar with synthetic resins
Packaging	Pre-weighed batch of 30 kg (A+B)
Shelf life	12 months from date of production if stored properly in undamaged and unopened original sealed packaging in dry and cool conditions.
Storage conditions	Store in dry condition, protected from moisture, frost and direct sunlight.
Appearance and colour	Gray & White
Density	1.7 ± 0.2 kg/l

TECHNICAL INFORMATION

Compressive strength	30-40 N/mm² at 20 °C after 28 days (mortar consistency)
Pull-out resistance	~ 1 N/mm² after 28 days (sand blasted)

APPLICATION INFORMATION

Mixing ratio	Slurry 1 (liquid) : 2 (powder) by weight
Consumption	Depending on type of application, two (2) coats always required. Three (3) coats may be required in areas of extremely high infilteration. 1st coat consumption 1-1.5 kg/m² on damp surface. 2nd coat consumption 0.8- 1 kg/m² approx.

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

SUBSTRATE QUALITY

The substrate must be sound, clean, free of grease, oil, friable parts, laitance and have a minimum resistance of 1 N/mm²

SUBSTRATE PREPARATION

In case of irregularities in the substrate, it should be first regularized with Sika Rep.
Absorbent substrates should be previously dampened until saturation (Saturated Dry Surface) avoiding flooding

MIXING

Mixing shall be carried preferably using a low speed (600 rpm) electric mixer.
For this purpose, in a wide mouth and bottom container, pour component B (powder) over component A (liquid) and mix for 2-3 minutes until a homogeneous mix is obtained.

APPLICATION

Application can be done by trowel, brush, long hair roller or by spraying.
SikaTop® Seal-107 EL can be installed with or without reinforcement

Without reinforcement

If a notched trowel is used with teeth of 3-4 mm, the first layer is applied with the toothed edge and the second with plain edge, following the direction of the grooves.
The second layer of mortar should be applied when the first has hardened sufficiently (4 to 6 hours at 20 °C)
If a brush, roller, or spray is used for the application, apply two coats waiting for the first to harden before applying the second coat.
SikaTop® Seal-107 EL will extend as evenly as possible, avoiding accumulating material in corners, cavities or slits where cracks may appear.

With reinforcement

SikaTop® Seal-107 EL reinforced with Sika fiber glass 107, anti-alakline fiber glass mesh, are capable of absorbing certain movements that may occur in the element on which they are applied, as well as acting as a bridge in the event that the support presents shrinkage cracks. The reinforcement must be carefully placed, avoiding any air occulsion due to the formation of folds and bags in the fiberglass mesh. The fiber glass mesh is joined by overlapping with a width of 3 to 5 cm.
The amount of SikaTop® Seal-107 EL to be applied must be the necessary amount to cover the entire reinforcement.

CURING TREATMENT

Measures should be taken to prevent the SikaTop® Seal-107 EL from drying out too quickly by using polyethylene sheets, wet sackclothes os Sika Antisol range of curing agents.

CLEANING OF EQUIPMENT

Clean all tools and application equipments with water immediately after use.
Hardened 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.

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