

Sika Top Seal®-107

Flexible Protective and Waterproofing Slurry

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| Product Description | A cement based 2 component polymer modified waterproofing slurry. It is applied to concrete and mortar structures to prevent water infiltration. |
| Uses | Sika Top Seal®-107 is used for external and internal waterproofing, crack sealing, repair work and protection from frost and detrimental effects of deicing agents in the following structures: <ul style="list-style-type: none">■ Sewage treatment facilities including concrete tanks, digestors, clarifiers etc...■ Water treatment facilities.■ Basements.■ Terraces and balconies.■ Bridges.■ Retaining walls.■ Sea walls.■ Small flat roofs.■ Swimming pools |
| Advantages | Sika Top Seal®-107 provides the following beneficial properties: <ul style="list-style-type: none">■ Pre-batched components.■ Mixed and applied easily.■ Slurry or trowelable consistency.■ Good adhesion to sound substrates.■ Impermeable.■ Increased frost and salt resistance.■ Non-toxic.■ Slightly flexible.■ Can be spray applied. |
| Certificates of Approval | The Egyptian National Organization for Water and Sewage. |
| Product Data | |
| Form | A: Liquid B: Powder. |
| Colour | Grey. |
| Storage Conditions | Free from frost and moisture. |
| Shelf Life | 6 months when unopened. |
| Technical Data | |
| Density | A + B (mixed) = 2.0 kg/l. |
| Compressive Strength | 30 - 40 N/mm ² at 20°C after 28 days (mortar consistency): I.S.O. Quality assurance laboratory Results. |
| Flexural Strength | 10 - 12 N/mm ² at 20°C after 28 days (mortar consistency). |
| Bond Strength | Approx./ 2 to 3 N/mm ² after 28 days (sand blasted). |
| Application Data | |
| Mixing Ratio | Slurry 1: 4 by weight Mortar 1: 4.5 by weight. |
| Coverage | Depending on type of application, two (2) coats always required. Three (3) coats may be required in areas of extremely high infiltration. 1 st coat consumption 1-1.5 kg/m ² on damp surface. 2 nd coat consumption 0.8 - 1 kg/m ² approx.. |
| Surface Preparation | Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil. All surfaces must be as true and flat as possible. Saturate absorbent surfaces thoroughly with water before application. |



Application

Mixing

The consistency of the mix can be altered by reducing the amount of component (A) (liquid) to be used. Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result. For a trowelable consistency use only 90% of component (A) (approx. 4.5 kg) Mix in a clean container by slowly adding the powder component to the liquid component and stirring with slow speed mixer.

Application

While the surface is still damp (no standing water) apply the first coat and leave to harden (2-6 hours). For slurry consistency apply with a hard-plastic bristled brush or broom. For trowelable mortars use a notched trowel. After the second coat has been applied, finish by rubbing down with a soft dry sponge.

Cleaning

Do not leave material to harden before cleaning tools and equipment with water. Hardened material can only be removed mechanically.

Pot Life

35 minutes at 20 degree centigrade, at higher temperature consult Sika® Technical Services.

Important Recommendations

Minimum ambient and substrate temperature +8 °C Never apply more than 4 kg/m² for one layer.

Curing

In severe heat and/or wind, protection of the Sika Top Seal® -107 is recommended. Under normal circumstances curing is not required. For further clarification please contact Sika® Technical Service.

Safety Instructions

Ecology

Do not dispose of into water or soil, but according to local regulations.

Transport

Non-hazardous.

Safety Precautions

Wear gloves and goggles, In contact with eyes or skin product, may cause irritation.

Toxicity

Non-Toxic under relevant health and safety codes.

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 products when properly stored, handled and applied under normal conditions. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

For further technical information, please consult our technical service department.



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