



# METHOD STATEMENT

## Sika MonoSeal®-105

DATE, : 08 / 2015

VERSION NO. 1

SIKA EGYPT

ENG. ASHRAF ELZINY

**TECHNICAL DEPARTMENT**

**1. Scope : ONE COMPONENT, WATERPROOFING SLURRY.  
(CEMENT BASE, POLYMER MODIFIED COMBINES THE  
CRYSTALLIZATION ACTION-PORE BLOCK- AND THE  
WATERPROOFING CAPABILITY OF POLYMER )**

**Preliminary Works and surface preparation**

- 1.1 Clean out surfaces, using small wire brushes or compressed air to remove all loose and friable materials, as well as mud and other impurities.
- 1.2 All concrete surfaces must be clean, free from standing, water and all loosely adhering particles.
- 1.3 Saturate absorbent concrete surfaces thoroughly with water to achieve a surface saturated dry (SSD) condition.

**2. Execution**

**- Mixing and Application**



- 2.1 Place three quarters (3/4) of the required water quantity according to the technical data sheet (10 – 12 Liter) in a suitable mixing container.
- 2.2 Add the powder component to the water while mixing.
- 2.3 Add the water (1/4) during the addition of the powder and mechanical mixing to achieve the desired consistency.
- 2.4 Apply the first coat and leave to harden (4-6 hours).
- 2.5 After hardening of the first coat, apply the second coat as soon as possible.
- 2.6 Finish Sika MonoSeal® 105 by rubbing down with a soft dry sponge.

**3. Curing**

- 3.1 **Sika MonoSeal® -105** should be moist cured for a minimum of 24 hours to initiate the crystallization process (pore block) and then mist cured for an additional 24 hours.
- 3.2 The waterproofing capability of **Sika MonoSeal® -105** is provide by  
The polymer modified cementitious slurry when moist curing is not possible.

## REMARKS

- A minimum of 1.7 kg/m<sup>2</sup> **Sika MonoSeal® -105** shall be applied, for thickness of 1.0 mm and depending on site requirements.
- For continuously immersed condition apply a minimum of 2 mm (in two coats).
- In case of critical substrates, such as cracked patch repairs, cracked concrete substrates, it is recommended to reinforce the **Sika MonoSeal® -105** with a glass fiber mesh.
- Install a glass fiber mesh (approximately 160 g/m<sup>2</sup>, 4 mm mesh size) in floor/wall edge locations.
- In a very humid (>85% r.H.) and closed environment, waiting times and curing times will be increased. We recommend installing dehumidifiers in such cases. This is not required for exterior applications.

*For any further clarification don't hesitate to contact Sika Egypt Technical Department.*

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### Technical Department

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 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 Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Method Statement  
Sika MonoSeal® -105  
DATE, : 07 / 2015, VERSION NO. 1

Language/Region/Translation template  
TECHNICAL DEPARTMENT