



METHOD STATEMENT

Sika Rep®

DATE, : 09/2018

VERSION NO.01

SIKA EGYPT

SOHAILA EHAB

TECHNICAL DEPARTMENT

1 SCOPE

This method statement describes the step by step procedure of **Sika Rep** as multi- purpose patching and Repair Mortar.

2 SYSTEM DESCRIPTION

Sika Rep® is one component, cement based, multi-purpose patching and repair mortar, incorporating the use of micro fiber.

USES

Sika Rep® can be used for the cosmetic or structural repair of deteriorated concrete and mortar. Sika Rep® can be used on exterior or interior, horizontal or vertical surfaces. Sika Rep® provides a compatible surface for the application of Sika's Coatings and Finishes:

Sika Rep is especially suitable for the following applications:

- Repair of Concrete
- Resurfacing defective or damaged area
- Making good damaged edges and joint arises.
- Repairing honeycombing.
- Concrete waterproofing and protection

ADVANTAGES

- One component : just add water
- Good adhesion to sound clean substrates (for enhanced adhesion properties use with Sika Latex)
- Shrinkage compensated.
- Compatible with the properties of typical concretes
- Vapour permeable
- Non-accelerated set to improve handling in hot tempratures

3 APPLICATION

3.1 SURFACE PREPARATION

- The concrete surface should be clean, sound, and free from dust, cement laitance, loose particles, oil, grease or any other contamination.
- Saturate concrete substrate thoroughly with clean water prior to the application. The surface should be damp, not absorbent, no standing water and no surface water from pre-wetting.

3.2 MIXING

- Mixing ratio 4.25-4.5 litres of water per 25kg bag
- Mixing can be either manually or mechanically
- Mechanical mixing is recommended by Sika for quantities greater than 1 bag
- Mixing should continue for a max 5 minutes after all the contents of the bag are placed in the mix water



3.3 APPLICATION

- Prime surface with a slurry of Sika Rep using a stiff brush. The recommended slurry consists of 5.0-5.5 litres of water per 25 kg of Sika Rep
- While the slurry coat is still damp, apply Sika Rep to a maximum thickness of 30 mm and compact thoroughly by trowel.
- For enhanced bonding characteristics use Sika Latex in the slurry mix or use Sika Top Armatec-110 EpoCem as the bonding medium.



3.4 FINISHING

- As soon as the mortar has started to set it can be smoothed by wooden or synthetic float or sponge.

3.5 LIMITATIONS

Minimum thickness per application : **5 mm**

Maximum thickness per application : **30 mm**

3.6 CURING

- Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hrs, or a suitable curing compound like Antisol range is recommended

3.7 CLEANING

Clean all tools and equipment with water immediately after use. Cured material can only be removed mechanically.

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

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.

Sika Egypt
TECHNICAL DEPARTMENT

Version given by
Sohaila Ehab
Phone: 002-01281665646
Fax: 002-02-4481 0459
Mail: ehab.sohaila@eg.sika.com

Method Statement
Sika Rep®
DATE, : 09/2018, VERSION NO.01