



METHOD STATEMENT

SIKAGARD[®]-75 EPOCEM[®]

SIKA LIMITED (VIETNAM)

BUILDING TRUST



1 SCOPE

This method statement describes the step by step procedure for application of Sikagard®-75 EpoCem® as superfine epoxy-cement sealing mortar.

2 PRODUCTS DESCRIPTION

Sikagard®-75 EpoCem® is a three component epoxy-modified cementitious sealing mortar.

Uses:

- On concrete, mortar, stone
- As a thin sealer coat for vertical and horizontal surfaces
- For making good spalled and pitted concrete, blowholes, honeycombs
- For filling in joints and making good surface irregularities
- Temporary moisture barrier for epoxy/polyurethane basis flooring system

Characteristics/ Advantages:

- An ideal surface preparation for the subsequent application of other Sika epoxy based coating product
- Minimum delays prior to follow-up applications of other Sika epoxy based coating product
- Fast and easy to apply
- Permeable to water vapour (allow substrate to “breath”)
- Excellent adhesive to dry or damp concrete
- Equally suitable for interior and exterior use
- Solvent-free

3 APPLICATION

3.1 Substrate Preparation

a. Requirement

- The substrates must be of sufficient strength (minimum 25 MPa compressive strength). The surface should be level, solid and free from loose and friable particles.
- The pull-off strength should be greater than 1.5 N/mm².
- The surface must be clean, free from oil, grease and friable matter.

b. Surface preparation

Insufficiently solid layers and any contamination must be removed mechanically, e.g. by water jetting or blast-cleaning.

Pre-wetting is not necessary except in the case of highly absorbent backgrounds and/or exposure to intense sunlight.

In case of pre-wetting, no standing water on the surface is allowed.

3.2 Mixing

a. Primer: Sikafloor® Repair Epocem® Module

Shake component A (white liquid) briefly, then pour into component B container and shake A+B together for minimum 30 seconds. Stir material well before use.

b. Pore sealer and temporary moisture barrier: Sikagard®-75 Epocem®

- Shake well component A and B. Then pour component A (white liquid) into component B (plastic canister) and shake vigorously for 30 seconds.
- Pour the binder mixture (A+B) into a 30 litre pail and add component C.

Mix thoroughly for minimum 2 minutes, using a suitable low-speed electric stirrer (500 rpm.) or a forced action (pan type) mixer.

c. Application

- **Primer: Sikafloor® Repair EpoCem® Module**

- Apply a primer coat of **Sikafloor® Repair EpoCem® Module** (Component A+B) at a rate of approx. 0.2-0.3 kg/m² by roller or brush.
- Avoid the formation of puddles. Allow to become tacky, approximately 1-3 hours.

- **Pore sealer and temporary moisture barrier: Sikagard®-75 EpoCem®**

- Application of Sikagard®-75 EpoCem by spatula, trowel, etc., as appropriate at consumption of approx. 2.1-4.2 kg/m² (for approx. 1.0-2.0 mm thickness).
- A moistened rubber sponge or distemper brush may be used as required to impart a fine surface finish.

Protect the freshly applied Sikagard®-75 EpoCem from rains for 24 hours.

d. Important notes

- Min. substrate temperature +10°C.
- Mix to a uniform consistency (no lumps).
- The use of Sikagard® EpoCem Primer is recommended as primer prior to application of Sikagard®-75 EpoCem.
- Repairs with Sikagard®-75 EpoCem system cannot bridge live cracks or moving joints, etc.
- It is not allowed to add water into the mix.

Please refer to relevant PDS for more information.

DISCLAIMER

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.

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 Date: 09/2018