



# METHOD STATEMENT

## Sikagard<sup>®</sup>PW

DATE, : 10 / 2015

VERSION NO. 1

SIKA EGYPT

ENG. ASHRAF ELZINY

**TECHNICAL DEPARTMENT**

Scope :

# Method Statement for Application of a High Chemical Resistant Protective Epoxy Coating – Sikagard® PW.

## 1. Main Instructions:

- The concrete age mustn't be less than 3-6 weeks according to the substrate temperature and the way of curing unless using the EpoCem technology.
- Compressive Strength Min. 25 N/mm<sup>2</sup>.
- Pull-off strength min. 1.5 N/mm<sup>2</sup>.
- Substrate moisture < 4 %.
- Maximum relative humidity not to exceed 85 %.
- Observe dew point, substrate temperature must be 3°C above measured dew point.

## 2. Surface preparation:

- The good surface preparation is the base for Sika materials success.
- The substrate must be clean, dry and free from all traces of loose particles, laitance, oil, grease.
- Concrete Substrate: Should be dry, clean and free from loose particles.
- Steel Substrate: Sand blast, grit blast or any other efficient method and ensure that all traces of rust are removed.

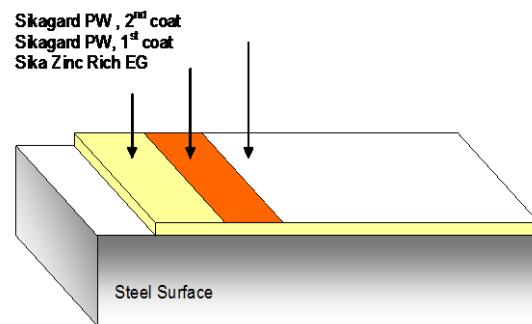
- Steel Surface must be blast cleaned to Swedish grade SA 21/2 and free from any rust or other deposits.

### 3. Mixing:

- Stir Component A prior to use, and Component B to Component A, mix thoroughly with a slow speed electric stirrer (max. 400 rpm) for at least 3 min.
- Taking care to entrain as little air as possible.
- Leave admixture to stand for approximately 2 minutes before applying.

### 4. Application:

- **Application method:** Airless spraying, roller or Stiffed brush.
- **Sikagard-PW** can be overcoated after 18 hrs. Minimum at 30°C.
- **Consumption:** 1-2 m<sup>2</sup>/kg depending upon substrate condition, for theoretical dry film thickness of 100 microns approx. 0.140 kg / m<sup>2</sup> applied minimum 2 coats.
- **Steel Substrate:** Apply first a primer coat of Sika Zinc Rich EG as an epoxy primer with consumption of according to the product technical data sheet.



## 5. Cleaning:

- Clean all tools and equipment immediately after use colma cleaner or Thinner C.

## 6. Remarks:

- Waiting time between coats should not exceed 5 days.
- Before exposing to chemicals allow to cure completely for at least 7-9 days (depending on temperature).
- Under direct sun radiation there may be some discoloration and color deviation
- Short term under direct sun radiation during application, this has no influence on the function and performance of the coating.
- Long term exposed to the direct sun radiation, this may causes peelings appears on the coating surface.

*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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