

Sikagard® -PW

High Chemical Resistance, Non Toxic Epoxy Coating

Product Description	Sikagard® -PW is a two component, solvent free, non-toxic epoxy coating with outstanding mechanical and chemical properties.
Uses	For heavy duty protective coatings for concrete, wood floors and metal structures, subjected to chemical attack. It is approved for contact with potable water and for food processing and pharmaceutical industries.
Advantages	<ul style="list-style-type: none">■ Approved for direct contact with potable water.■ Easy to clean, tough glossy finish.■ Very good resistance to a wide range of chemicals and corrosive vapours.■ Non-toxic approved for food contact.■ Excellent mechanical properties.■ May be used as part of bridging lamination systems.■ Produced in several colours.■ Sewage resistant
Certificate of Approval	For direct contact with drinking waters and sewage, issued by The Egyptian National Organisation for Water and Sewage.
Product Data	
Packaging	Two components (A + B) 5 and 15 pails.
Shelf Life	12 months if kept in original packaging in dry condition
Technical Data	
Specific Gravity	1.5 gm/cm ³
Solids Content	100%
Flash Point	145°C
Abrasion Resistance	Excellent.
Chemical Resistance	Please refer to Sika® chemical resistance table
Application	
Mixing Ratio	(A : B) = (4 : 1) by wt.
Consumption	4 - 5 m ² /kg depending upon substrate condition. For a theoretical dry film thickness of 200 micron (0.2 mm) approx. 0.3 kg/m ²
Surface Preparation	<ul style="list-style-type: none">■ 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 should then be primed by Friezinc® -V or Sika Zinc Rich® -EG.
Mixing	Stir the contents of the resin (pack A) to dispense components, then add the hardener (pack B) and mix thoroughly until a uniform consistency is obtained
Application Method	Airless spraying, roller or stiffed brush.
Application	Apply first coat of Sikagard® -PW with a stiff brush or roller to obtain a continuous uniform thickness. Apply the second coat within the re-coating interval to achieve the maximum adhesion between the two coats.
Cleaning	Tools and equipments should be cleaned with thinner immediately after use.
Pot Life at 23°C	45 minutes
Dry to re-coat	Min. 18 hours. Max. 5 days.
Important Notes	<ul style="list-style-type: none">■ Sikagard® -PW may be applied at temperature down to 5°C and at lower temperature curing time will increase. For cold weather application it is recommended to store Sikagard® -PW in a warm warehouse and only removed immediately before application. Accelerated heating methods are forbidden.■ Moisture content < 4%.■ Observe dew point, substrate temperature must be 3°C above measured dew-point.



Safety Instructions

Safety Precautions

- Use goggles, gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleaner, soap and water.
- Eye splashes to be washed with plenty of water.
- If ingested seek medical advice.

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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