

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

- 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 water and sewage, issued by The Egyptian National Organisation for Water and Sewage.

Product Data

Packaging Two components (A + B) 20 Kg pails.

Storage/ Shelf Life 12 months from date of production if stored in unopened, undamaged and sealed original packaging in dry conditions. Protect from UV light.

Technical Data

Density 1.57 ± 0.06 Kg/l

Solids Content Approx. 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 3 - 4 m² /kg depending upon substrate condition.
For a theoretical dry film thickness of 200 micron (0.2 mm) approx. 0.32 kg/m²



Surface Preparation	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 be primed by Friazinc® -V or Sika Zinc Rich®.
Mixing	Stir the contents of the resin (pack A) to dispense settled components, then add the hardener (pack B) and mix thoroughly until a uniform consistency is obtained
Application Method	By airless spraying or 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.
Pot Life at 25°C	Approx. 40 minutes
Dry to re-coat 25°C	Min. 18 hours. Max. 2 days.
Fully Cured	7 days
Cleaning	Tools and equipments should be cleaned with thinner immediately after use.
Important Notes	Moisture content < 4%. Observe dew point, substrate temperature must be 3°C above measured dew-point. Sikagard® -PW may be applied at temperature down to 5°C. 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.

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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