Power Poxy HC

High-Resistance Epoxy Coating for Concentrated Acids and Alkalis

Description: -

A final epoxy coating with no shrinkage and high resistance to the effects of concentrated acids and alkalis, as well as heavy mechanical loads. It is based on solvent-free epoxy resin and carefully selected pigments.

Usage: -

- **A protective layer resistant to acids, alkalis, corrosion, and abrasion for industrial flooring, such as factory and warehouse floors.**
- **Coating for floors and walls of chemical plants, textile factories, workshops, and aircraft hangars.**
- **Filling joints in floors and tiles resistant to chemicals and mechanical loads.**
- **Acid- and alkali-resistant coating for high-concentration chemicals.**
- **Coating for acid and chemical storage tanks.**
- **Coating for reservoirs, pipelines, and metal structures exposed to harsh chemical and environmental conditions.**
- **Coating for road infrastructure, bridges, and wastewater treatment plants.**

Advantages: -

- High durability under heavy mechanical loads.
- Excellent resistance to concentrated acids and alkalis.
- Strong adhesion to concrete and metal surfaces.
- Suitable for use with approved primers on concrete surfaces.
- High resistance to corrosion, abrasion, and wear factors.

Characteristics: At 25°

color	Red / customized
Solid ratio	100 %
Density (g / cm^3)	1.4 ± 0.05 kg /L
Mix ratio	3 : 1
Pot life	30 Minutes
Second coat	24 hours
Full hardness	7 days

Application instructions: -

Surface Preparation & Application Guidelines

1. Surface Preparation

- The surface must be thoroughly cleaned from dust, oils, greases, and loose particles.
- If there are any acid or chemical residues, the surface should be washed with a soapy solution and then dried completely.
- The surface must be left for three days to ensure complete drying before applying the coating.

2. Coating Application

1. **Primer Application:**
    - **Apply Power Poxy Primer for concrete surfaces or Power Shield for metal surfaces.**
2. **Mixing Components:**
    - **Stir Component [A] thoroughly before adding the full content of Component [B].**
    - **Mix the two components using a slow-speed mechanical mixer (300 RPM) until a homogeneous blend is achieved.**
3. **Dilution (If Required):**
    - **If necessary, gradually dilute the mixture with Power Solve SF solvent, ensuring that the dilution does not exceed 7% of the total weight.**
4. **Application Methods:**
    - **Apply the coating using a brush, epoxy roller, or air spray gun.**
5. **Second Coat Application (If Required):**
    - **If a second coat is needed, wait at least 18 hours after the first coat before application.**
6. **Anti-Slip Enhancement:**
    - **For improved slip resistance, after applying the first coat, sprinkle a clean silica sand layer (particle size: 0.25 – 0.75 mm) at an average rate of 1 kg/m².**
    - **Apply the second coat over the sanded surface.**

Safety precautions: -

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.
- In case of skin contamination, wash the contaminated area with water and soap.
- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.
- Avoid spilling residues of the product into any watercourse or soil.
- The used tools should be washed immediately after completion with water.
- Dispose of product residues or empty containers according to local environmental regulations.

Packages: -

The product is available in the following sizes: [1, 4, 20 Kg]

Storage: -

The product should be stored for two years in tightly sealed containers and under appropriate storage conditions.

For more information or inquiries, Visit our website.

Power-cp.net

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