

Epoxy Primer XL100

Catalog Number: D91171

A two-component water-based epoxy primer

Product description

A two-component water-based epoxy primer for application on a wide range of substrate types before the installation of bituminous membranes, blown bitumens, etc.

Product Uses

A primer layer (primer) before the application of bituminous membranes, hot bitumens, white pastes such as Inopaz, etc., on concrete surfaces, existing bituminous membranes, metal, wood, foamed polyurethane, etc. The material serves as a primer for application on concrete surfaces in bridges and bridge decks. The primer is suitable for the application of hot elastomeric bitumen or direct welding of Polypaz type membranes.

Packaging

Component A - 8 kg

Component B - 2 kg

Shelf life of 12 months in original packaging



Advantages

- ✓ Prevents the appearance of bubbles during the sealing system application.
- ✓ Excellent adhesion to most types of substrates such as concrete, bitumen, bituminous membranes, metal, and more.
- ✓ Environmentally friendly, water-based, does not contain organic solvents.
- ✓ Quick and easy preparation and application.
- ✓ Short drying time in good weather conditions.
- ✓ Can be applied by spraying using an airless sprayer.

Technical Specifications

Shade	Component A - Greenish Component B - Transparent paste
Solid Content	40%
Working Time after Mixing (POT LIFE at 25°C)	4 hours
Drying Time for Rain or Walking	1 to 6 hours (depending on weather conditions)

In cold and/or humid weather, drying is slower. See note in the 'Application Method' section.

Method of Use

Preparing the area

- ✓ Ensure the surface to be sealed is clean and free from loose parts, dust, casting skins, concrete crumbs, oil, and any foreign material that may interfere with adhesion.
- ✓ Fill holes with polymer-enhanced cementitious filler. Holes in concrete may cause bubbles after application, especially on walls exposed to direct sunlight.
- ✓ Protruding concrete parts should be sawed off to the concrete level itself. Concrete protrusions may cause material leakage after application.
- ✓ In the case of application on existing concrete surfaces, it is recommended to remove the top layer by sand blasting, needle gunning, or high-pressure water cleaning.

Material Preparation for Application

- ✓ Insert the hardener content (Component B) into the primer (Component A) and mix vigorously using a drill for about 2 minutes until a homogeneous mixture is obtained.
- ✓ Ensure to insert all the content of Component B into the container of Component A.
- ✓ After mixing, add water in a 1:1 ratio (10 liters of water for 10 liters of mixed material) and continue to mix for another 2 minutes until a homogeneous mixture is obtained.
- ✓ In the application of the "Carmel" waterproofing system for concrete bridge decks, add water at a rate of

30% to the mixture of both components, i.e., 3 liters of water for every 10 kg of material (a complete set).

- ✓ Wait about 10 minutes. Mix again for 2 minutes. The material is ready for use.

Method of application

- ✓ Apply the material using a roller or by airless spraying at a quantity of 200-300 g/m².
- ✓ In the application of the "Carmel" waterproofing system for concrete bridge decks, it is recommended to apply the primer at a quantity of 250 g/m².
- ✓ In renewing existing waterproofing systems based on layers of bituminous membranes using Inopaz, after preparing the existing membrane layers, apply the primer at a quantity of 300 g/m².
- ✓ In application on new infrastructures such as metal, concrete, etc., it is recommended to apply the primer at a quantity of 200 g/m².
- ✓ During the application, ensure not to apply an excess of material, characterized by a glossy layer on the concrete. Wait about 1-6 hours for touch dry.
- ✓ The waiting time for drying may vary according to weather conditions (humidity, temperature, etc.).



Method of Use

Remarks

- ✓ The material is intended for use by skilled personnel only.
- ✓ To prevent the primer from being covered with a layer of dust or damaged by sunlight, it is recommended to cover the primer with the sealing material up to two days after application. If more than 48 hours have passed since the primer application before covering it with the sealing material, it is necessary to clean dust, etc., and apply an additional layer at a quantity of about 100 g/m².
- ✓ Pay attention to the application time of the material after mixing the two components.
- ✓ The temperature of the components must be between 25-15 °C at the time of mixing. Apply the material when the surface temperature intended for coating is between 35-10 °C.
- ✓ Store in a cool, dry, and shaded place.
- ✓ Do not store at temperatures below 5 °C.
- ✓ Clean tools immediately after use with water.
- ✓ Non-flammable and does not contain hazardous solvents.
- ✓ It is recommended to ventilate enclosed spaces during and after application.

Safety instructions

- ✓ **Not for human consumption.**
- ✓ **Before using the product, you should read the safety instructions and warnings that appear on the product label and the safety data sheet (MSDS) which can be obtained from Pazkar Ltd.**
- ✓ When using the material, use personal protective equipment (appropriate clothing, gloves, protective glasses/ face mask).

For Safety detailed instructions please refer to Pazkar's safety data sheets (MSDS)

Warranty

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