

T-POX 2800 ZR

TWO COMPONENT ,EPOXY BASED PRIMER - ZINCH REINFORCED - ANTICORROSIVE

Description of Product

T-POX 2800 ZR , is a low viscosity, two-part , Is zinc rich epoxy primer.

Scope of application:

- Any kind of metal surface against corrosion used to protect.
- Epoxy, polyurethane and polyurea based application of materials to metal surfaces .Used as primer.
- Bridges and dams
- Structural steels ,
- Tanks and pipes exterior ,
- Refinery and industrial facilities ,
- Other exposures subjected to high humidity, salty or fresh water.

Features / Advantages:

- High level of corrosion due to high zinc content provides resistance,
- Cathodic thanks to zinc content on metal surfaces provides protection,
- Low viscosity and easy to apply,
- The water is impermeable,
- For abrasion and breakage after taking the product becomes very durable,
- Bases, acids, diluted salt solutions, resistant to grease and petroleum products and Impermeable.

Product Features

Excellent adhesion

High corrosion resistance

Appearance

Part A (Epoxy Resin): Silk mat

Part B (Epoxy Hardener): Liquid – Pale Yellow

Packaging

Part A: Part B:=7/1

Total: Part A+B: 25 kg. net – Part A+B: 27,55 kg. gross

*Barrels are available if requested.

Storage

Store in original sealed containers in a cool dry environment at temperatures between +5°C and +30°C. Do not put excessive loads on top of the products, which would damage the packaging.

Shelf Life

Minimum 12 months from date of production if stored in original unopened containers. Once opened, product should be consumed within one week as it is stored under appropriate storage conditions.

Chemical Structure

Part A : Epoxy Resin Part B: Epoxy Hardener

Technical Specifications

All technical values were calculated based on +23°C and 50% relative humidity. Temperature and humidity changes would change technical values.

T-POX 2800 SS Technical Data

Density	Mixed Resin: 1.80-2,00 kg/liter
Color	Dark gray
Consumption	0,150-0,250 kg/m ²
Duration of Use After Mixing	6-8 hour
Touch dry	4-6 hour
Total Curing Time	7 days
Walking	24 hour
Application Format	Roll(Sentetic-epoxy),Bruch, airles

Preparation of Substrate

Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 2,5 N/mm². The residual moisture content of the substrate must not exceed 4%, the substrate temperature should remain a minimum of +8°C and the temperature of the substrate must be at least +3°C above the current dew point temperature.

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Oil-contaminated substrates must first be pre-cleaned with an emulsifying cleaning detergent in accordance with the supplier's instructions. Finally, the concrete or cement screed surface is cleaned using high-pressure water jetting. Excess water is removed from the surface by wet and dry vacuum cleaner.

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface.

The surface should be vacuumed by industrial vacuum cleaners to remove dust. If in doubt of the surface, apply a test area first. Should not be applied to wet or frozen surfaces and surfaces with high humidity.

There should be no rust, etc. negativities on metal surfaces, if any, the surfaces should be damaged or the surface should be cleaned by sandblasting.

Application Conditions

During the application, ambient temperature should be between +10°C and +30°C. Relative Air Humidity should not exceed 80% and the substrate temperature should be between +10°C and +30°C. Substrate humidity should be maximum 4%.

Substrate temperature shouldn't be less than +8°C and must be at least +3°C above the current dew point temperature.

Mixing

Make sure that the product temperatures are between +15°C and +25°C before starting the mixing procedure. Prior to mixing, stir part A and B separately with a mechanical drill and paddle at a very low speed. Add component B gradually into component A and mix till you reach a homogeneous consistency (Approximately 3 minutes).

Pour the contents into a clean container and mix for another couple minutes. Please avoid mixing on high speed .

Application Method /

T-POX 2800 ZR is applied as a single layer to close the gaps with roller.

-The overcoating should be done between 12 and 24 hours.

-2nd. coat should be made within 12 hours at the earliest.

Thinner:

Momentum Thinner T

Thinning ratio:

Max %5

Method of application: It is applied with short hard bristle brush, short hair roller(sentetic epoxy roller) .

Cleaning of Tools

Clean all tools and application equipment with thinner immediately after use. Hardened/cured material can only be mechanically removed.

Consumption:

Depending on the surface quality and absorbency, T-POX 2800 A + B mixture consumption is approximately

0,150 - 0,250 kg/m²

* Coverage increases as the viscosity gets higher at lower temperature.

Important notes:

- High temperatures shorten machining time. Processing at low temperatures and curing time is prolonged. Consumption also increases at low temperatures.
- Between two coats of adherence, the surface is affected by contamination and moisture exposure.
- If the waiting time between two layers is too long or if the surface is covered with a liquid resin before and after a long time to be re-coated, the surface should be thoroughly cleaned, abraded and a surface without gaps should be obtained. It is not enough to recoat without an operation.
- After application, material should be protected from moisture and water for 8-10 hours. Moisture and moisture cause discoloration and irregularities. These disorders should be corrected.
- The manufacturer should be consulted for the applications not mentioned in this technical document.

Health and Safety Information

The following protective measures should be taken when working with the material: Wear safety gloves, goggles and protective clothing. Because of irritation effects of the uncured material, components should not come in contact with the skin, or eyes.

In cases of contact the affected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately. Do not drink or eat at the application site. Keep out of reach of children.

Product Liability

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