

# EPOPRIME ZINC

## Zinc Rich Epoxy Primer Protective Coating

### Description

**EPOPRIME ZINC** is a two-component high protection zinc rich epoxy primer modified with metallic zinc powder. It is a tough resistant coating with excellent mechanical and anti-corrosive properties.

**EPOPRIME ZINC** provides cathodic protection for reinforcement and exposed steel. It also has excellent adhesion, high chemical and abrasion resistance to metal surfaces.

### Features & Benefits

- High mechanical and adhesion properties
- Protect steel and galvanized steel against corrosion.
- High abrasion resistant
- Impermeable
- Resistant to chemical attack
- High curing properties in humid environments

### Uses

**EPOPRIME ZINC** is used as protective coating for structural steel, galvanized steel and metal piping and steel tanks exposed to corrosive environments. It is recommended for offshore environments, refineries, power plants, bridges, buildings, mining equipment and general structural steel. Specially designed as a primer for coating and repairing systems where extended durability is required.

### Technical Properties

Appearance	Grey Paint
Gloss level	matt
Solid content	≥60%
Drying time	4-6 hours
Recoating time	3-4 hours
Adhesion to steel	Excellent
Flash point	28 °C

Recommend film thickness	50 – 120 microns
Heat resistance	Up to 220 °C
Chemical Resistance	Excellent resistance to diluted acids, alkali solutions, oils, detergents and sea water.

All values are subject to 5-10% tolerance

### Application Procedures

#### Surface preparation:

Remove all visible surface deposits such as grease, oils with suitable detergent per (SSPC-SP1). Remove salt and other contaminants by washing using high pressure fresh water. In some cases, sand blasting is recommended for deep cleaning. Any fabrication defects such as weld spatter, delamination, sharp edges and weld slag should be repaired prior to surface preparation.

#### Mixing Instructions:

**EPOPRIME ZINC** is supplied in two pre-weighted components that consisting of base and Hardener. The product should be mixed in the proportions supplied, adding the entire contents of the 'hardener' tin to the 'base' tin. The two components should be thoroughly mixed together for 3 minutes till homogenous mixture is reached.

#### Application Instructions:

Apply **EPOPRIME ZINC** to the prepared surface using suitable brush. Ensure full coverage to the steel surface. In general, one coat is sufficient to provide enough protection, for high durable performance two coats are recommended. Apply the second coat when the first coat is totally dry. Any repairing with mortars should be done only when the primer is totally dry.

## Coverage

Each 1 liter of **EPOPRIME ZINC** will cover 10 m<sup>2</sup> in 60 microns thickness.

## Packaging

**EPOPRIME ZINC** is available in 1 Ltr.& 4 Ltr. kits

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

**SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.**

REV 03-1018