

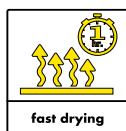
# Polyzinc

## Zinc epoxy corrosion protective coating

For the protection of steel reinforcement and metalwork against corrosion.

### CHARACTERISTICS

- ▶ Excellent corrosion prevention properties
- ▶ Quick drying, can be over coated after a short period
- ▶ Excellent adhesion to steel
- ▶ Services as primer for various maintenance systems
- ▶ The zinc content provides an Electro chemical protection



### DESCRIPTION

Polyzinc is a single component zinc rich epoxy coating for the protection of steel reinforcement and metalwork against corrosion.

### FIELDS OF APPLICATION

- a protective coating to steel reinforcement in concrete repair applications
- as a primer for steel surfaces prior to final coating

### APPLICATION INSTRUCTIONS

#### Surface preparation

All the corroded steel on the repair area should be fully exposed and all loose particles along with rusted scales shall be totally removed. Steel should be cleaned to a bright condition especially at the rear of the exposed bars by wire brushing or grit blasting. Ensure the surface is clean and dry and clear of oil, grease, dust etc.

#### Mixing

Mix the contents of the pail with a paddle mixer fitted to a slow speed drill to remove any sediment prior to application.

#### Application

Application can be done by brush. Ensure that the entire steel is coated properly. A second coat is recommended to be applied so that all pin holes are covered completely. The second coat shall be applied only after first coat dries off completely. The application of repair mortars should start immediately after the coating dries.



### COVERAGE

Polyzinc will cover 8m<sup>2</sup>/L/coat for 75 microns DFT.

### CLEANING

Tools should be cleaned with Polysolvent immediately after use. Hardened materials can be cleaned mechanically only.

### STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 6 months in un-opened condition and if stored as per recommendations. excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Color & appearance	Grey viscous liquid	-
Density, [g/cc]	1.6±0.05	ASTM D 1475
Solid content, [%]	60±2	ASTM D 2930
Zinc content in dried film, [%]	> 95	BS 4652
Drying time, [mins]	30	-
Application temp, [°C]	5 to 35	-

All values given are subject to 5-10% tolerance

## SUPPLY

Polyzinc	1.5L
Polysolvent	5L & 20L pails

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

