

MONNELI EPOZINC

Organic Zinc Rich Epoxy Primer

Product Description

A high quality zinc rich epoxy primer formulated to provide excellent adhesion combined with sacrificial protection to exposed steel reinforcement where surface preparation may be less than ultimate.

Uses

EPOZINC is a protection for steel reinforcement against corrosion when concrete repair is required.

It can be used for:

- Repair of aged zinc rich or galvanized steel surface is required
- Used as a protection primer in chemical process industries, refineries, ships, sewage plants and offshore structures

Advantages

- Provides positive protection of steel components against corrosion.
- Excellent for adhesion to surfaces cleaned to commercial blast.
- Excellent product for repair of zinc rich coating or deteriorated galvanized steel surfaces.
- Formulated for use with Colmef concrete repair products.
- Two components to insure higher curing process in humid environment.
- High solid content of zinc which provides an adequate protection with one coat.

Instructions for Use

Surface Preparation

The reinforcing bars must be clean from weak concrete, grease substances and rust. Sand blasting would be advisable for cleaning deep rust. Continue cleaning until all rust is removed. Exposed reinforcement can also be cleaned mechanically or by using a stiff brush tool.

Mixing

EPOZINC is composed of two components that must be mixed well before use. Stir components A & B individually then pour component B into component A and mix thoroughly using a slow speed drill at the rate of 200-300rpm. Scrape the sides and the bottom of the container and again mix until a lump free homogenous mix is achieved.

Application

The mixture must be applied by brush onto the prepared surface. Make sure the whole iron surface is completely covered. Repair mortars can be applied as soon as EPOZINC is dry.

In order to guarantee the necessary protection of substrate, it is advisable to apply two coats of EPOZINC. Second coat should be applied on the first coat once it is totally dry. Use SOLVENTE to dilute the product if necessary at a mix rate of 10%.

In case the EPOZINC is used as a primer, allow the primer to fully cure prior to apply finishing top coat.

Do not apply thick coat in single application in order to allow all the primer to cure properly. For built up thickness, successive coatings of EPOZINC can be applied.

Cleaning

Clean all tools and equipment used in application using SOLVENTE 10 before the product dries.

Recommendations

- High temperature reduces pot life and drying time.
- Minimum temperature for application is +5°C.
- Should not be applied on rusty surface or existing coating, otherwise the applied coatings will peel off.
- Should not be exposed to aggressive acids or solvents.
- Cannot be used in contact with drinking water.

Technical Data

Properties	Results
Finish	Flat
Color	Grey
Volume solid	60%
Recommended film thickness	50 - 100 microns dry
Theoretical coverage	10 m ² /L at 50 micron
Drying time at 25°C	Less than 1 hour
Re-coatable	2 - 3 hours
Flash point	27°C
Salt Spray Test (BS 4652)	Passed

All values are subject to 5-10 % tolerance.

Packaging

EPOZINC is supplied as a two component 1 liter kit.

Storage

Store in original sealed container in dry covered warehouse at a temperature between +5°C and +40°C and a relative humidity below 70%. The product shelf life is 12 months if stored as recommended.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

EPOZINC is flammable hence keep away from sources of ignition.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
ITALY

P.O. Box 123808 Dubai UAE
P.O. Box 127326 Abu Dhabi, UAE
Z.I. Ponte d'Assi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450
T. +971 2 5511949 F. +971 2 5511749
T. +39 75 9221297 F. +39 75 9221174

EPOZINC
Technical Data Sheet
Edition: January 2020
Revision: 02

colmef@colmef.ae

www.colmef-me.com