

MonniZinc

Organic Zinc Rich Epoxy Primer

Product Description

MonniZinc primer is 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

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 Monneli 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

Usage Instructions

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.

Steel Preparation

All corroded steel should be completely cleaned. It is recommended that grit blasting be used to clean the reinforcing steel. Particular attention should be paid to the rear side of the bar to ensure all corrosion products have been removed.

Mixing

MonniZinc is composed of two components that must be mixed well before use. Stir components A & B individual-ly 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 MonniZinc is dry.

In order to guarantee the necessary protection of substrate, it is advisable to apply two coats of MonniZinc. 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 MonniZinc 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 MonniZinc can be applied.

Cleaning

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

Technical Data

Category	Typical Values
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

MonniZinc is supplied as a two component 1 liter kit.

Shelf Life & Storage

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.

MonniZinc is flammable hence keep away from sources of ignition.

Legal disclaimer

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