



Technical Data Sheet

Ecohard ZRP

Single component epoxy-based Zinc Rich Primer for steel

Description

Ecohard ZRP is a single component, epoxy based, **Zinc Rich Primer**, designed to provide active anti-corrosion coating for steel reinforcement.

Applications

Ecohard ZRP is used as protective and anti-corrosion coating for reinforcing steel bars.

Advantages

- Provides a protective coating from corrosion for steel by active electro-chemical means.
- Easy application, single component.
- Cost effective, no waste and no pot life limitations.
- Excellent resistance to salt and chloride attacks.

Technical properties

Property:	
Color:	Grey
Specific gravity @ 25°C	1.85 ± 0.01
Tack free time: @ 20°C @ 35°C	35 – 45 mins 10 – 15 mins
Recoating time:	30 – 60 mins @ 20°C 15 – 40 mins @ 35°C
Dry film thickness:	50 microns/ coat
Wet film thickness:	165 microns/ coat

Method of use

Substrate Preparation

The steel surface must be cleaned from any corrosion deposits and loose scale. It is recommended to use grit blasting for surface preparation. Steel brush can be used for steel cleaning. In all cases the steel should be clean and bright after cleaning.

Mixing

Stir contents thoroughly before use.

Coating

Use a small brush to apply **Ecohard ZRP** on the prepared surfaces to achieve uniform and full coverage.

Particular attention should be given to the reinforcement of the steel back face. If an unbroken coating was not achieved by using one coat, a second coat should be applied within the over coating time (between 30 - 60 minutes @ 20°C).

Application should be carried out as soon as possible after finishing the surface preparation, and in all cases not exceeding 4 hours.

Remarks

- The primed surface should not be left exposed for a long period before over coating or application of concrete or repair material.
- **Ecohard ZRP** should not be applied at temperatures below 5°C or exceeding 45°C.
- Application of repair material should be carried out as soon as the **Ecohard ZRP** is fully dry.
- Where corrosion has occurred due to the presence of chlorides, use high pressure water to clean the steel followed by grit blasting.

Theoretical Coverage

Approximately 6-7 m²/Liter to achieve dry film thickness of 50 micron per coat, depending on surface porosity.

Storage

12 months when stored properly in unopened container in dry conditions at temperature between 5 - 35°C.

Cleaning

All tools shall be cleaned immediately after application using **Envirocon -Solvent**. Hardened materials must be cleaned mechanically.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Packaging

Ecohard ZRP is available in 20- and 200-liters packs.

Cautions

Health and safety

Avoid skin and eye contact by wearing overalls, gloves, goggles, and air-mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water.

Avoid inhalation of vapors and paint mist by wearing suitable air-mask.

In the event of ingestion and eye contact, seek medical attention immediately.

Painting must be carried out in well-ventilated area.

Smoking in the area should not be permitted.

Local safety regulations should be followed.

Fire

Ecohard ZRP is flammable flash point 37°C.



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