

Estotect Zincrich

Single Component Epoxy Zinc Primer

Description

Estotect Zincrich is supplied as a single component liquid based on metallic zinc and epoxy resins.

Uses

Estotect Zincrich is the recommended anti-corrosion primer for exposed steel reinforcement for use with Estop concrete repair mortars. The product actively resists corrosion within the confines of the repair location and avoids the generation of incipient anodes in immediately adjacent locations.

An unbroken 40 microns thick coating shall be capable of providing 'active' galvanic protection and of avoiding the generation of incipient anodes in the immediately adjacent locations.

Advantages

- Active zinc-rich system combats corrosion by electro-chemical means
- Formulated for use with Estopatch repair products
- Single component product – easy to use with no restrictive pot-life
- Time saving – touch dry after 15 to 45 minutes
- Economical – single component ensures almost no waste.

Physical Properties

Specific Gravity	2.0	
Drying Time:	@ 20°C	@ 35°C
Touch Dry	45 mins	15 mins
Fully Dry/Recoatable	30 – 60 mins	20 - 45 mins
Recommended thickness per coat	40 micron (dry)	
Application thickness per coat	135 micron (wet)	
Flash Point	16°C	

Standard Compliance

- **BS 4652:1791**

Application Instructions

Preparation

Expose fully any corroded steel in the repair area and remove loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Grit-blasting is recommended for this process.

Where corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after grit-blasting to remove corrosion products from pits and imperfections within its surface.

Application

The application of **Estotect Zincrich** must take place as soon as possible to a dry steel surface after completion of the preparation work but always within 3 hours. Although a single component product, it should be stirred thoroughly before use in order to redispense any settlement.

Apply one full and unbroken coat of **Estotect Zincrich** by suitable brush, making sure that the back of exposed steel reinforcing bars are properly coated. A small brush is generally more suitable for this purpose. Allow to dry fully before continuing. If any doubt exists about having achieved an unbroken coating, a second application should be made as soon as the first coat is fully dry (generally between 30 minutes and one hour).

The primed surfaces should not be left exposed to the elements for longer than necessary before overcoating or application of the repair material. **Estotect Zincrich** will, however, protect steel under clean interior exposure conditions for a period of several months. In non-aggressive exterior environments, a maximum interval of 14 days will be tolerated but in industrial and/or marine environments this interval should be reduced to the practical minimum.

The application of concrete repair materials should proceed as soon as the **Estotect Zincrich** is fully dry (generally 20 minutes to one hour).

Low temperature working

The minimum application temperature is 5°C. The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C static temperature or at 5°C and rising, the application may proceed.

Cleaning

Estotect Zincrich should be removed from tools, equipment and mixers with solvent such as Xylene etc, immediately after use.

Limitations

Estotect Zincrich should not be applied when the temperature is below 5°C or is 5 °C and falling. If any doubts arise concerning temperature or application conditions, consult the local Estop office.

Packing & Size

Estotect Zincrich	5 kg/ can
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Coverage

Estotect Zincrich	7.4 m ² / litre
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Practical coverage : Theoretical coverages are quoted for guidance. Practical coverages may be lower, depending on substrate and application method.

Technical Support

Estop offers a comprehensive range of high performance, high quality of product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Estotect Zincrich has a shelf life of 12 months if kept in a dry condition in the original, unopened containers.

If stored at high temperature or high humidity conditions the shelf life may be reduced.

Precaution

Estotect Zincrich contains epoxy resin, which may cause skin sensitivity in certain individual.

Avoid skin contact. Wear suitable gloves and apply cream barrier.

Estotect Zincrich is flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO₂ or foam. Do not use a water jet.

Additional information

Estop manufactures and offers a wide range of complementary products which includes waterstops, waterproofing products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.