

CAPOXY ZINC-RICH PRIME

ZINC-RICH TWO COMPONENT EPOXY BASED CORROSION PROTECTIVE COATING

DESCRIPTION

CAPOXY ZINC-RICH PRIME is a two component, solvent borne zinc rich epoxy primer, providing active galvanic protection to steel. It is a thick grey liquid of paint-like consistency, recommended for use where chloride induced attack on steel is likely.

USES

- As a protective coating to steel reinforcing bars in concrete.
- As a touch-up primer for damaged galvanized metal.
- As a primer for steel substrates prior to suitable top coating.

ADVANTGES

- Protects steel – provides active protection against steel corrosion.
- Excellent adhesion – bonds to steel to create a protective anti-corrosion barrier.
- Fast installation - Short over coating time.

PROPERTIES

Aspect	: Thick grey suspension
Mixed density	: 2.4 ± 0.1 kg/litre
Volume Solids, %	: 57 ± 3
Mixing Ratio, by volume	: 4(B) : 1(H)
Pot Life	: 120 Minutes at 25°C
Tack free time	: 25 Minutes at 25°C : 10 Minutes at 40°C
Recoat time	: 6-8 Hours at 25°C : 2-4 Hours at 40°C
Total zinc content in dry film	: >84% by weight
D.F.T. per coat	: > 50 microns
Application temperature	: minimum 10°C : maximum 40°C

STANDARDS

CAPOXY ZINC-RICH PRIME is formulated to meet the scope of BS 4652, Type 2

APPLICATION PROCEDURE

Surface preparation

The steel surfaces should be grit blasted or wire brushed to remove all traces of corrosion. Ensure no oil, grease or dust is present. Surfaces should be dry.

Mixing:

Stir each component of CAPOXY ZINC-RICH PRIME. Add Hardener to Base and mix using a drilling machine fitted with a mixer.

Application:

Apply CAPOXY ZINC-RICH PRIME immediately after completion of preparation to prevent any contamination. Do not leave blasted or prepared steel uncoated.

Brush the CAPOXY ZINC-RICH PRIME onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. In case of doubt on achieving continuous film in one coat apply second coat immediately after the drying of the first coat. Repair mortars can be applied as soon as the CAPOXY ZINC-RICH PRIME is dry.

CAPOXY ZINC-RICH PRIME is not designed as a finished coating. Although protection to the steel will be provided for some time, over coating should be carried out as soon as possible, particularly in aggressive environments.

Equipment care

Tools should be cleaned with AHLIA'S CAP THINNER immediately after use.

ESTIMATING DATA

Each 1 liter pack can cover 8 - 10 m²/coat on smooth substrates

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PACKAGING

CAPOXY ZINC-RICH PRIME is a two component system, supplied in 1 liter combined unit.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is six months when stored as above.

PRECAUTION

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Material Safety Data Sheet (MSDS) from our office

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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