



EUCO ZINC PRIMER - IN

TWO COMPONENT EPOXY ZINC PRIMER

DESCRIPTION

EUCO ZINC PRIMER - IN is a two component, metallic epoxy zinc primer for use with Euclid Concrete repair system or steel coatings to provide a protective and anti-corrosive coating.

PRIMARY APPLICATION

- Repair or coating system for structures in aggressive environments
- Offshore facilities, petrochemical plants
- Pulp and Paper mills, Bridges, Power plants
- Marine structures

FEATURES/BENEFITS

EUCO ZINC PRIMER - IN has been designed for use in maintenance and repair situations and as a primer in new construction. It is used as an anti-corrosion primer for reinforcement to be used in conjunction with Euclid repair products and grout.

- Long pot life
- High coverage rate.
- Apply by brush or spray
- May use with steel coating systems
- Touch dry within 20 - 45 minutes
- Use with Euclid repair systems
- Excellent Adhesion & Bond strength with cementitious system
- Active 'Zinc-rich' system prevents corrosion by electro chemical means.

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH.

PROPERTIES	VALUE
Components	Two (Part A – Base & Part B – Hardener)
Appearance	Grey colour
Mixed Density	1.75 – 1.85 g/cc
Pot life	120 ± 10 minutes
Drying time	45 mins @ 20°C & 20 mins @ 35°C (Touch Dry)
Over coating time	30 mins to 60 mins
Typical Thickness	WFT 100µ / Coat & DFT 40µ / Coat
Application Thickness	100µ (WFT)/Coat
Bond strength (on Steel surface)	> 1.5 MPa @ 7 days (ASTM D4541)
Surface dry time	20 – 45 mins

PACKAGING

EUCO ZINC PRIMER - IN is packaged in 5 kg.

The mix ratio is 3 :2 by wt 3 kg Part A, 2 kg Part B

SHELF LIFE

6 months in original, unopened containers

SPECIFICATION / COMPLIANCES

Complies with manufacturer's specification as per technical data sheet.

COVERAGE

The theoretical coverage rate is approximately 2.5 to 3.5m²/kg.

Note: Coverage rates are approximate. Actual coverage depends on temperature, texture, and substrate porosity

DIRECTION FOR USE

Surface Preparation: All surfaces to be coated should be clean, dry and free from contamination and Oil or grease should be removed with Solvent cleaning or Euco Solvent.

Abrasive Blast Cleaning - Steel: If oxidation has occurred between blasting and application of EUCO ZINC PRIMER-IN, the surface should be reblasted to the specified visual standard. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

Concrete Repair - Steel Reinforcement Coating: Expose fully any corroded steel in the repair area and remove all 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.

Mixing: Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

- 1) Agitate Base (Part A) with a slow speed heavy duty drill fitted with a paddle
- 2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with a slow speed heavy duty drill fitted with a paddle for 3 to 5 mins. Scrape the sides and bottom of mixing container while mixing.

APPLICATION:

EUCO ZINC PRIMER-IN should be applied to the rebar or steel as soon as possible after preparation work and the steel is dry.

Apply one unbroken coat. In concrete repair situations ensure the rebar is coated at the back surface. If the coat is broken reapply a second coat after the first is dry (between 30 and 60 minutes).

The primed surface should be overcoated or covered with repair material if outside within 2 weeks. If in industrial or marine environments the interval should be reduced to the minimum possible.

The installation of concrete repair materials should take place as soon as EUCO ZINC PRIMER-IN is fully dry (30 to 60 minutes).

Fire: EUCO ZINC PRIMER-IN is flammable. Keep away from sources of ignition. In the event of fire, extinguish with CO₂ or foam. Do not use a water jet. Avoid smoking.

PRODUCT	FLASH POINTS
Euco Zinc Primer -IN	16°C
Euco Solvent	33°C

CLEAN-UP

Clean tools and application equipment immediately after use with EUCO SOLVENT or Acetone while still wet. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

HEALTH & SAFETY

EUCO ZINC PRIMER-IN should not come in contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapour. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of skin contact with EUCO ZINC PRIMER-IN remove immediately with resin removing cream followed by washing with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting

PRECAUTIONS/LIMITATIONS

- Store at temperature between 10°C to 32°C
- Surface and ambient temperature during applications should be between 7°C and 32°C
- Material temperatures should be at least 7°C and rising
- Working time and cure time will decrease as the temperature increases, and will increase as the temperature decreases
- Mix mechanically for 3 to 5 minutes.
- Do not dilute with any solvent
- Protect from moisture.
- In all cases, refer the Safety Data Sheet before use.