



Prime Zn 30

**Two-Component Anti Corrosive
Zinc Rich Primer**

**Pack Size
20.7Kgs**

**TDS
Technical Data Sheet**



Description

Prime Zn 30 is a two-component, cold-cure epoxy resin blend with zinc powder. It offers superior corrosion protection through the formation of tiny electrical cathodic cells between the zinc and steel surface. This product not only creates an impermeable barrier but also provides long-term protection against corrosion.

Key Features

- Excellent long-term protection for steel
- Easy application at job sites
- Compatible with paint, epoxy, and urethane topcoats
- Long pot life for optimal working time
- Economical solution.

Recommended Uses

Anti-corrosive primer for steel surfaces

Anti-corrosive primer for reinforcement steels

Application Guidelines

Surface Preparation

Remove dust, flakes, and foreign particles by jet or dry air. Clean the surface mechanically or by grinding to smoothen it. For new steel structures, blast clean to a surface profile not exceeding 65 microns. For old steel structures where blasting is impractical, use mechanical tools, manual chipping, and wire brushing to remove loose rust. Avoid excessive burnishing of steel. Thoroughly dust down the surfaces.

Mixing

Stir Component A and Component B separately with a hand drill type spiral stirrer to ensure homogeneous dispersal of fillers. If settling is observed in Component A, loosen the settled material with a hand stirrer followed by a power-driven stirrer for quick homogeneous mixing. Gradually add the entire contents of thoroughly stirred Component B (hardener) to Component A and mix for 3 minutes using a slow-speed drill (400 - 500 rpm) fitted with a suitable mixing paddle until a homogeneous mix is achieved. Carry out mixing in a specially designed drum mixer or in a bucket using a drill mixer fitted with a paddle.

Application

Apply the homogeneous two-component thoroughly stirred mixture to the cleaned, evened, and bone-dry surface @ 5-6 m²/L. Lay the mix on a bone-dry surface at temperatures ranging between 10°C to 50°C using a brush or roller. Install Prime Zn 30 by spreading evenly over the recommended area. Avoid excess application and mixing. Do not apply Prime Zn 30 in more than 50 microns DFT in a single coat. Apply the second coat of Prime Zn 30 on the bone-dry first coat. Prime Zn 30 may be over-coated with conventional paints or two-pack epoxy paints/Polyurethane paints. Over-coating can be done after 6 - 8 hours; however, it is recommended to coat after 12 -

24 hours of application of primer to obtain superior performance.

Technical Specifications

Pot Life	10-15 minutes
Dry Time	1.5 hours
Dry Film Thickness	35 microns
Specific Gravity	1.50 + 0.02
Theoretical Coverage	5-6 m ² /L
Minimum Application Temperature	10°C - 50°C
Mixing Ratio	100:3.5 by weight

Health and Safety

Use a mask, nose cover, and hand gloves during application. Clean hands with soap and water after application. Ensure adequate ventilation and avoid inhalation of vapors as some people are sensitive to resins, hardeners, and solvents. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area. Prevent swallowing. In case of swallowing, seek medical attention immediately. Do not induce vomiting.

Packaging and Storage

Prime Zn 30 should be stored in a dry and cool place, protected from direct sunlight. Use within the shelf life period for the best results.

Pack Size

20.7Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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