

Carbolink's Solutions for Anti Corrosive Coatings

CLI Prime Zn 30



Anti Corrosive Coatings Product
Specifications & Technical
Data Sheets(TDS)

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

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Carbolink India Pvt. Ltd. COMPANY PROFILE



For years, Carbolink India has been the Quality Leader in offering excellent Construction Chemical Products with Supreme Quality and Reliability.

Carbolink India Manufactures Industrial Flooring(Epoxy & PU Flooring), Decorative Flooring, 3D Flooring, Waterproofing Systems, corrosion protection, wood coatings, etc. which cater specifically to the Indian climate. With manufacturing facility in India, Carbolink India manufactures and supply Materials all through the country. Carbolink's commitment to customer service and technical support is the best. We work closely with architects, structural engineers, contractors and owners to best understand their requirements. Together we develop a best solution for a construction project, adding value and becoming more than just a materials supplier, but a solution provider.

With the support of our multinational manufacturing group, Carbolink India today has support centers across the country, strategically placed to provide consistent high standards of product and service.

Our Product Range:

- Anti Corrosive Coatings
- Car Park Flooring
- Curing Compounds
- Decorative Flooring
- Floor Hardner
- Grouts & Anchors



- Industrial Flooring
- Repairing Compounds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Anti-Corrosive Coatings

Corrosion resistant coatings protect metal components against degradation due to moisture, salt spray, oxidation or exposure to a variety of environmental or industrial chemicals. Anti-corrosion coating allows for added protection of metal surfaces and act as a barrier to inhibit the contact between chemical compounds or corrosive materials. Many of the coatings listed below also provide a bonus of abrasion resistance, non-stick performance and chemical protection. Metal Coatings provides both corrosion resistant bolt coating services and corrosion protection fastener coating services.

Carbolink manufactures a full range of world class Anti-Corrosive systems providing the most up-to-date technologies. Carbolink India is a leader in tailored Anti-Corrosive Solutions.

Here is our Technical Description on CLI Coat AC 31 :





CLI PRIME Zn 30

TWO COMPONENT ANTI CORROSIVE ZINC RICH PRIMER

DESCRIPTION

CLI Prime Zn 30 is a two component, cold cure, epoxy resin blend with zinc powder. Unlike regular paints / epoxies, which resists corrosion by forming an impermeable barrier between the metal and atmospheric moisture, CLI Prime Zn 30 provides corrosion protection through tiny electrical cathodic cells formed by interaction of zinc with steel surface. Of course, CLI Prime Zn 30 provides some impermeable barrier as well. CLI Prime Zn 30 is superior to paints / epoxies in providing corrosion protection.

ADVANTAGES

- Excellent long term protection of steel.
- Easy to use and apply at the job site.
- Paint / epoxy / urethane may be used as topcoats.
- Long pot life for optimum working time.

APPLICATION

- Anti-corrosive primer for steel surfaces.
- Anti-corrosive primer for reinforcement steels.

APPLICATION METHODOLOGY

- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- In case of new steel structure, blast clean to a minimum surface profile not exceeding 65 microns. In case of old steel structure, where blasting is not practical, use mechanical tools along with manual chipping and wire brushing to remove loose rust.
- Avoid excessive burnishing of steel.
- Thoroughly dust down the surfaces.
- Apply CLI Prime Zn 30 on an even, firm and bone dry surface.
- Stir component A and B separately with a hand drill type spiral stirrer. This is to ensure homogeneous dispersal of all fillers, which might have settled in the can. If settling is observed in the Comp A, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing.
- Gradually add the entire contents of thoroughly stirred Comp B e.g. hardener to Comp A and mix thoroughly for 3 minutes using a slow speed drill (400 - 500 rpm) fitted with a suitable mixing paddle until homogeneous mix is achieved. Carry out mixing in a specially designed drum mixer or in a bucket using drill mixer fitted with paddle.
- Apply the homogeneous two component thoroughly stirred mixture to the cleaned, evened and bone dry surface @ 5 -6 m² /L. Lay the mix on bone dry surface at temperatures ranging between 10 °C to 50 °C. using a brush or roller.
- Install CLI Prime Zn 30 by spreading evenly over the recommended area.
- Avoid excess application and mixing. Do not apply CLI Prime Zn 30 in more than 50 microns DFT in a single coat.
- Apply second coat of CLI Prime Zn 30 on bone dry first coat.
- CLI 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 hrs; however, it is recommended to coat after 12 - 24 hrs of application of primer to obtain superior performance

CHARACTERISTICS

Pot Life, hrs	3 – 6
Dry Time, hrs	1.50
Dry Film Thickness	35 microns
Specific Gravity	1.50 + 0.02
Theoretical Coverage, m ² /L	5 – 6
Minimum Application Temperature	> 10 °C < 50 °C

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- Avoid contact with skin / eyes. In case of unlikely 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 unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

PACKING

Available in 15 L container.

STORAGE AND SHELF LIFE

Store in a cool dry place under shed away from heat. The shelf life of product is 12 months in original unopened sealed condition.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

**India's Most Trusted
Construction Chemical Manufacturing Brand**



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