



Prime Zn 40

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

**Pack Size
22Kgs & 11Kgs**

**TDS
Technical Data Sheet**



Description

CLI Prime Zn 40 is a two-component, polyamide-cured zinc phosphate anti-corrosive epoxy primer for steel surfaces. It is composed of zinc phosphate, non-lead pigments, and inert mineral fillers in a polyamide binder with aromatic hydrocarbons and alcohol solvents.

Advantages

- Resists most chemical environments when used with recommended topcoats
- Resists water and corrosion
- Provides good anti-corrosion protection
- Facilitates adhesion of finish onto difficult substrates
- Non-toxic, safer to use as compared to chromate versions

Application

Suitable for use on blast-cleaned steel where a complete epoxy system is required. It is suitable as a patch primer for the treatment of manually prepared steel.

Application

As an anti-corrosive primer on steel surfaces.

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 Thoroughly dust down the surfaces Remove the majority of rust scales from the surface of rusting steel structure/reinforcement by wire brush, chipping, or grinding Ensure that the substrate temperature is in the range of 10°C - 110°C Apply CLI Sprayable Rust Remover on the surface where the wire brush is not reachable and allow the surface to dry for 30 minutes Apply CLI Prime Zn 40 on a dry surface Mix Comp A and Comp B in the ratios of 100:10 by weight (or as mentioned on the container) Apply CLI Prime Zn 40 by brush, roller, or spray. When applied by airless spray gun, ensure a minimum working pressure of 140 kg/cm² with a spray tip size of 0.43 - 0.53 mm and a spray tip angle of 65°. It is important that the base and the hardener are at a minimum temperature of 15°C when mixed for satisfactory spray application CLI Prime Zn 40 may be overcoated with conventional paints or two-pack epoxy paints and polyurethane. Over-coating can be done after 8 - 10 hours; however, it is recommended to coat after 12 - 24 hours of application of the primer to obtain superior performance

Characteristics

Colour:	Grey
Theoretical Coverage:	5.00 - 8.00 m ² /L

Dry Film Thickness	60 - 100 microns
Application Temperature:	>10°C to <110°C
Pot Life (30°C):	10-15 minutes
Curing Time Full Cure	: 7 days
Mixing Ratio:	As specified on the container

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 vapours as some people are sensitive to resins, hardeners, and solvents Avoid contact with skin/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 ingestion, seek medical attention immediately. Do not induce vomiting

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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

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.