

Carbolink's Solutions for Anti Corrosive Coatings

CLI Coat AC 31



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 COAT AC 31

HIGH PERFORMANCE ANTI CARBONATION PROTECTIVE / DECORATIVE COATING

DESCRIPTION

CLI Coat AC 31 is an acrylate based non-yellowing Anticarbonation protective coating for concrete and masonry surface. It is available in selective colours and will not show yellowing tendency on exposure to sunlight when applied to the concrete. It forms an inert, impervious film that is resistant to alkali from fresh concrete as well as acid, salt and many construction stains. It is ideally suitable for exterior application to protect the structure from Carbonation, chloride ions, Salts, Weathering and Industrial corrosive climate.

The complete system consists of CLI Coat AC 31 as a primer and CLI Coat AC 31 as a Top coat. PC 14 P is a solvented Silane Siloxane based penetrative & reactive sealer, which chemically reacts with the substrate & forms a effective barrier to the dissolved ions, salts etc in the water. The total system offers a long lasting anti-carbonation and corrosion protection for concrete structures.

ADVANTAGES

- Excellent barrier to carbon dioxide, chloride ions, sulphates, oxygen and water.
- Selected range of decorative colours
- Easy for application. Single pack
- Highly durable in all climate conditions.
- Seals out dirt and other staining materials
- Excellent resistance to UV rays
- Permeable to water vapour - Breathable

APPLICATION

- Old & new Concrete structures
- Unglazed bricks and clay tiles
- Terrazzo floors and walls
- Exterior masonry surface
- Bridges, Dams, Flyovers, Elevated MRTS and Marine Structures
- Chimneys, cooling towers, Silos, Industrial buildings & power house

APPLICATION METHODOLOGY

- Surface should be dry, structurally sound, free from grease, oil, dirt and other contaminations.
- Remove any curing compound or releasing agents prior to coating.
- Use compressed air or grit blasting to remove dust and other loose particles.
- Any blow holes, honey combs on the surface should be repaired & made even.
- Ensure that the surface is dry prior to application.
- CLI Coat AC 31 is a single pack system. Mix well before application, to ensure that there is no sedimentation.
- Low pressure, airless sprayer is the preferred method of application. But a brush or roller may also be used for coating. Material should be applied to assure uniform coverage.
- Apply ShaliPrime AC primer as per the coverage. Allow the primer to dry for atleast 4 -5 hrs before coating it with CLI Coat AC 31.
- Apply CLI Coat AC 31 as per the coverage and allow at least 4 – 5 hrs to dry before re-coating of the second coat. CLI Coat AC 31 is self curing.
- Actual coverage depends upon surface texture & wastages.

CHARACTERSTICS

Physical Appearance	Coloured Low viscous liquid
DFT	150 – 175 microns including primer coat
Application Temperature	5 – 40 Deg. C
Bond strength to concrete (ASTM D 4541)	> 1.5 MPa
Specific Gravity	1.00 – 1.05
Theoretical Coverage	5 m ² /L/coat. Two coats are needed
Recoat time	4-5 hrs at 25 °C
CO2 diffusion resistance at 80 microns DFT	Equivalent Air layer thickness : > 70 mtr Equivalent concrete thickness : 177mm

CLEANING & MAINTENANCE

Clean tools and equipment with Xylene or Toluene before the material hardens

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- 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 20 L pack.

STORAGE AND SHELF LIFE

Keep in cool and dry place under shed away from heat. The shelf life of product is 1 year 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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