

Carbolink's Solutions for Anti Corrosive Coatings

# CLI Guard 40



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

India's Most Preferred  
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

[WWW.CARBOLINKINDIA.COM](http://WWW.CARBOLINKINDIA.COM)



## 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 Guard 40 :







# CLI GUARD 40

## TWO COMPONENT HIGH SOLID FOOD GRADE EPOXY COATING

### DESCRIPTION

CLI Guard 40 is WRAS Approved Food Grade Epoxy Coating for internal coating of pipes, vessels and other equipments used for portable water. It conforms to BS 6920:2000 and AWWA C 210.

### ADVANTAGES

- Excellent food grade properties
- Excellent adhesion to the surface corrosion, protection properties.
- Good temperature / abrasion resistance properties.

### APPLICATION

- Internal coating for potable water pipelines.
- Internal coating for potable water storage

### APPLICATION METHODOLOGY

- Prepare surface by mechanical grinding, shot blasting conforming to SA2½.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air.
- Stir drums of each component thoroughly for uniformity. For best result, use a variable speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 400-600 rpm. Pre heat part-A @ 50-65°C and Part-B @ 25-40 °C.
- Apply CLI Guard 40 by plural feed airless spray gun to the required thickness on the substrate.
- The tip pressure typically 2500-4000 psi (the tip pressure should be adjusted to achieve good atomization of the spray).
- Tip size typically 19-25 Thou orifice.
- The coating repair should be done by brush application with the same material provided the mixing quantity of Component A and component B should be done as per requirement of the repairing job because of the lower pot life of the material. Mixing will be done in a drill type mixer. For repairing job, heating of individual component is not required.

### CHARACTERSTICS

#### Material Property

	Resultt	Testing Method
Color	Dark Brown / Light Yellow / White	NA
Ratio	3:1 By Volume	NA
Pot Life @ 28°C ,55% RH,100 g	22 ± 3 min	In House
Touch Dry @ 27 OC, 55% RH, hr	Within 1 hr	In House
Hard Dry @ 27 OC, 55% RH, hr	6-8 hours	In House
Full Cure @ 27 OC, 55% RH, days	7	In House
Volume Solids	~ 100 %	In House
Specific Gravity (Mixed) @ 27 °C	1.49 ± 0.02	In House
Film Thickness, micron	415 ± 15	SSPC- PA 2
Compressive Strength (MPa)	70	ASTM C 109
Theoretical Coverage, m2 / L	2.32	In House
Hardness (Shore D), minute	80 - 85	ASTM D 2240
Adhesion to Steel (psi)	> 2000	ASTM D 4541
Long term contact with potable water for human consumption	No Effect	NSF/ANSI-61
Application Temperature	10 – 60 with RH ~ < 75%	NA
Scratch Resistance,	No failure at 1.5 kg load	IS:101

### CLEANING & MAINTENANCE

Clean all tools immediately after use with STP cleaner.

### HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Avoid contact with skin / eyes. 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 200 L – 150 L Comp A and 50 L Comp B.

**STORAGE AND SHELF LIFE**

Keep in a cool and dry place under shed away from heat. The shelf life of product is 9 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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