

Carbolink's Solutions for Waterproofing
CLI Tough Coat



**Waterproofing Product
Specifications & Technical
Data Sheets(TDS)**

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

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 Compunds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Waterproofing

Waterproofing is the process of making an object or structure waterproof or water-resistant, so that it remains relatively unaffected by water or resisting the ingress of water under specified conditions. Such items may be used in wet environments or under water to specified depths.

Water resistant and waterproof often refer to penetration of water in its liquid state and possibly under pressure, whereas damp proof refers to resistance to humidity or dampness. Permeation of water vapor through a material or structure is reported as a moisture vapor transmission rate.

Waterproofing is used in reference to building structures (such as basements, decks, or wet areas), watercraft, canvas, clothing (raincoats or waders), electronic devices and paper packaging (such as cartons for liquids).

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

Here is our Technical Description of CLI Tough Coat :





CLI TOUGH COAT

DESCRIPTION

CLI - TOUGH COAT a waterborne, polyurethane resin formulation, which may be applied by brush, roller or airless spray equipment. It is free from strong odor and toxic fumes and cures to form a tough, matt, elastomeric membrane, which tolerates substrate movement and does not embrittle with age, or prolonged exposure to ultra-violet light.

BENEFITS

- Water- based
- Single component
- No pot life limitations
- Easy application by brush, roll or spray
- Cost effective
- Excellent UV and thermal stability
- Suitable for flat or pitched roofs
- Permanently elastomeric- does not embrittle
- Anti-carbonation properties
- Self cleaning and resistant to algae growth
- Long shelf life
- Resistant to chemicals/pollution

MINIMUM APPLICATION TEMPERATURES

Throughout the application and curing period, ensure that the substrate and atmospheric conditions remain 502F and 52F above the dew point.

Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured (up to 7 days at a minimum of 502F). Brush or mop surface water away during this time. Do not allow the applied CLI - Tough Coat to be exposed to freezing temperatures until the final coating has totally cured (up to 7 days at a minimum of 502 F). Premature exposure to above conditions could cause flaking, cracking and/or coating failure.

STORAGE TEMPERATURES

Minimum temperature: 502F
Maximum temperature: 952F

PACK SIZES

23 Kg Container

ANTI CARBONATION

Equivalent carbonation barrier to 520 meters or 1,706 feet of air . (Effective barrier = 50 meters).

SCRATCH RESISTANCE

B53900: Part E2
Withstands 1 Kg or 2.2 pounds without damage.

SUB TROPICAL TESTING (Florida Weathering)

ASTM G7- 6 months
No discoloration, defects, crazing, flaking or lichen growth

TECHNICAL DATA

Water Vapour Permeability

BS.3177 (temperate)
500g/m²/24 hours at 0.47mm nominal dry film thickness.

Impact resistance

BS.3900: Part E3
Withstands 5mm indentation without damage to film.

Accelerated weathering

ASTM G53-3000 hours

No surface defects, crazing or flaking.

Chemical resistance

Resistant to a range of chemicals including acids and alkalis (10% solutions).

Approximate solids content

60.5% by weight

49.5% by volume

Elongation

320% using P10 system

Tensile strength

1.80 N/mm² using P10 system

Specific gravity

1.25

Typical drying times

(50% Relative Humidity and 22 mils Wet Film Thickness)

At 502F -Touch dry at 1 hour and through dried at 2 hours. 682F — Touch dry at 45 minutes and through dried at 1 hours. Allow 24 hours between coats.

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**



Carbolink India Pvt. Ltd.
105, 1st Floor, Bhavya Sree Arcade,
Above BATA, Erragadda,
Hyderabad- 500018, INDIA
Tel : +91 2370 0524, 2381 0264
Email : info@carbolinkindia.com