

Carbolink's Solutions for Repairing Compounds

CLI MC 100



**Repairing Compounds 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 Compunds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Repairing Compounds

Repairing Compound is fast setting, hydraulic cement product formulated to stop leaks in concrete and masonry surfaces. It is particularly effective for stopping the flow of running water. Repairing Compounds are ready to use and requires only the addition of water before plugging and sealing cracks.

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

Here is our Technical Description of CLI MC 100 :





CLI MC 100

High Performance Cementitious Repair Micro Concrete

DESCRIPTION

CLI MC 100 is a versatile, one part, patching and repair compound for repair project of all types. Requiring only the addition of water, CLI MC 100 is a high strength material, which is easy to use with an extended working time for ease of placement. It is similar in appearance to concrete and is suitable for use as a topping, patching mortar or repair material on horizontal surfaces.

ADVANTAGES

- Can be used as a pumpable or pourable repair micro concrete where access is restricted.
- Highly fluid to allow for placement without vibration.
- Compensates for shrinkage by expansion.
- Premixed, ready to use.
- Long working time
- High strengths with low permeability.
- Chloride free.

APPLICATION

- Parking decks
- Floor toppings
- Joint repairs
- Equipment bases
- Pedestals
- Pavements

APPLICATION METHODOLOGY

- New concrete must be a minimum of 28 days if an epoxy adhesive will be used to the topping. If a slurry bond coat is used, the concrete must be a minimum of 3 days old.
- The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scrubber, brush hammer, shot blast or scarifier which will give a surface profile of a minimum 1/8" (# mm) and expose the large aggregate of the concrete.
- The final step is cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing. All concrete must possess an open surface texture with all curing compounds and sealers removed. Several hours prior to placing, the concrete substrates should be saturated with clean water. Remove any standing water. Alternatively, use a bonding system.
- After the surface has been prepared, prime all area with either a slurry coat of CLI SBR 41C or an epoxy bonding agent such as CORR-BOND. The primer bonding agent must be ordered separately.
- Edges should be saw cut to 1/4" (6 mm) deeper than the topping thickness and repair to provide a locked in reinforced edge. Moving joints as in the case of expansion joints should be brought up through the repair by saw cutting or with the use of divider strip.
- Exposed rebar may be treated with an anti-corrosion coating such as CORR-BOND or CLI Prime Zn. Remove all loose rust and scaling, preferably by sandblasting to white metal prior to coating the rebar.
- For repair sections generally deeper than 100 mm it may be necessary to mix the CLI MC 100 with properly graded 5 mm to 12 mm silt free aggregate to minimize temperature rise. The quantity of aggregate required may vary depending on the nature and configuration of the repair location. It should be a max. of 8 kg pea gravel per bag of CLI MC 100.
- Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of 15° C – 32° C.
- Add the appropriate amount of water for the batch size and then add the dry product. Mix a minimum of three minutes.
- If pea gravel is to be added, do so now and mix an additional 2-3 minutes. The mixed product should be transported to the repair area and placed immediately.
- Discharge material from mixer and place. For patching with a trowel, come-a-long, or square tipped shovel to a thickness that matches the surrounding concrete.
- Finish to desired texture. On large floor areas, used screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.
- If placed by pump, standard concrete pumping practice should be followed.
- If poured in the form work, avoid air entrapment by pouring from one side only.
- Finish the repair material to the desired texture. Do not add additional water to the surface during the finishing operation.
- To prevent surface cracking, cure the floor with curing compound. In hot, windy or direct sunlight situations, re-wet the surface after the curing compound has dried and cover with polyethylene for a minimum of three days. If curing compound is not desired, wet cure for a minimum of three days.

CHARACTERISTICS

Compressive Strength Age, Mpa

- 1 day 10
- 3 days 30
- 7 days 40
- 28 days 50

Flexural Strength 28 days, Mpa

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Physical Appearance

Cementitious grey powder

YIELD

25 kg bag yields 0.0125 m³ of CLI MC 100 when mixed with 3.875 L of water.

CLEANING & MAINTENANCE

Clean all tools immediately after use with Xylene. Do not allow the material to harden.

HEALTH & SAFETY

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

PACKING

Available in 25 kg pack.

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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