

Carbolink's Solutions for Repairing Compounds

CLI RP 34



**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 RP 34 :





CLI RP 34

Two Component Polymer Modified Cementitious Repair Mortar

DESCRIPTION

CLI RP 34 is a polymer modified cementitious mortar designed for use as concrete repair mortar at thickness of 13 mm to 50 mm. CLI RP 34 is formulated to incorporate liquid latex technology, which provides excellent durability under freeze-thaw cycling as well as reducing ingress by water and deicing salts. CLI RP 34 is easy to work with at high slump consistency and provides a fast setting abrasion resistant repair.

ADVANTAGES

- Provides a strong, wear resistant patch
- Excellent durability under freeze / thaw cycling
- Resists penetration of water and deicing salts for good substrate protection.
- Excellent bond to properly prepared sound concrete
- Easy to use two part system.
- Suitable for both indoor and outdoor use
- High slump formula for easy handling

APPLICATION

- Parking decks / docks / ramps
- Joints / curbs / gutters
- Marine structures
- Pavements and walkways

APPLICATION METHODOLOGY

- Ensure that concrete surface is sound, even, firm, and 28 days cured with moisture content not exceeding 5%, if epoxy adhesive is used to bond topping. In cases of use of slurry bond coat, the concrete should be at least 3 days old.
- Ensure that the surface is sound and free from dust, laitance and other contaminants.
- Remove dust, flakes, oil / grease by washing with liquid detergent, followed by acid wash or by burning and then vacuum clean or pressure wash.
- Acid etching may be done only in cases where mechanical preparation is impractical. In such cases, use epoxy bonding agent.
- All concrete must possess an open surface texture with all curing compounds and sealers removed.
- Saw cut edges to ¼" (6 mm) deeper than the topping thickness and the floor notch at the edge of repair to provide a locked in, reinforced edge. Chip the edge with a hand held chipping hammer to provide the wedge shaped notch. 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.
- Prime all area with either a slurry such as CLI N 18 after the surface has been prepared. If the substrate has been prepared by acid etching, use of epoxy primer is highly recommended. The primer bonding agent must be ordered separately.
- Small quantities of concrete coat may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large job. Add the appropriate amount of concrete coat liquid for the batch size and then add the dry product. Mix a minimum of 3 minutes. Add pea gravel (if appropriate) and mix for an additional 2 minutes. The mixed product should be transported to the repair area and placed immediately.
- Mix concrete coat as instructed but add an additional 0.6 L of water per unit of the mix. Broom the slurry coat on to the prepared and re-dampened concrete. Apply the concrete coat topping before the slurry coat has dried.
- Use CLI N 18 (LV or MV) epoxy for repairs.
- Discharge material from mixer and place onto floor. For patching, spread with a trowel, come-a-long, or square shovel to a thickness that matches the surrounding concrete. Finish by hand troweling. On large floor areas, use screed strips as guide in combination with vibratory screeding to level. Finish by hand trowelling.
- Finish the repair material to the desired texture. Do not add additional water to the surface during the finishing operation. If additional liquid is required, use concrete coat liquid.
- Proper curing procedures are important to ensure the durability and quality of repair. To prevent surface cracking, cure the floor with a high solids, curing compound. If curing compound is not desired, wet cure for a minimum of 3 days.

CHARACTERSTICS

Compressive Strength (50 mm cubes)

- | | |
|-----------|--------|
| • 1 day | 21 MPa |
| • 3 days | 28 MPa |
| • 7 days | 41 MPa |
| • 28 days | 50 MPa |

Flexural Strength, 28 days	12 MPa
Bond Strength	
• 14 days	11 MPa
• Unit Weight	2083 kg/m ²

HEALTH & SAFETY

- Do not use solvent based curing compounds on this products
- Do not use material at temperature below 7 °C
- Use gloves, mask during application of the adhesive.
- Skin contact should be cleaned with acetone or IPA followed by soap water.
- Eye contact needs immediate medical attention

CLEANING & MAINTENANCE

- Clean all tools immediately after use with xylene. Do not allow material to harden.

PACKING

Available in 25 kg Bag.

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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