

Carbolink's Solutions for Repairing Compounds

CLI RP 21C



Repairing Compounds 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



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 21C :





CLI RP 21C

2K High Build Polymer Modified Cementitious Reinstatement Mortar

DESCRIPTION

CLI RP 21C is light weight, cementitious, polymer modified repair mortar to provide high build properties as well as excellent resistance to chloride ions and the diffusion of acidic gases such as carbon dioxide. It contains special preblended cements, graded sand and chemical additives which thermally combine to provide a product that has excellent compatibility with concrete as well as outstanding water repellent properties. CLI RP 21C can be applied in thicknesses from 10mm to 40mm in vertical and 25mm in overhead situations.

ADVANTAGES

- In vertical and overhead situations, a high thickness can be built up.
- Extremely low permeability provides maximum protection against carbon dioxide and chlorides.
- Excellent bond to the concrete substrate.
- Shrinkage compensated.
- No side batching required, supplied in pre-weighted pre-packed condition.
- Only addition of water at site to be made while mixing the powder and liquid parts.
- Contains no chlorides.

APPLICATION METHODOLOGY

- Saw cut or cut back the extremities of the repair locations to a depth of at least 10mm to avoid feather edging and to provide a square edge. Break out the complete repair area to a minimum depth of 10mm up to the saw edge.
- Thoroughly clean both surfaces which are to be stuck together to ensure removal of dust and other loose particles from concrete, plaster or other surfaces.
- Surface should be moistened before application of coating. But standing water should not be allowed.
- Apply primer in primed surface.
- For 1 bag application, Place about 2.75 L of drinking quality water in the mixer and add the supplied liquid polymer part and mix with the machine in operation add CLI RP 21C powder and mix for 2 to 3 minutes. Depending on the ambient temperature and the desired consistency, a small additional amount of water may be added up to a maximum total water content of 3.25 L.
- Apply the mixed CLI RP 21C to the prepared substrate by gloved hand or trowel. Thoroughly compact mortar on to the primed substrate and around the exposed reinforcement.

CHARACTERSTICS

Compressive Strength, N/mm²

- | | |
|-----------|----|
| • 3 day | 12 |
| • 7 days | 16 |
| • 28 days | 20 |

Water Absorption, ml/m²/sec

- | | |
|----------|-------|
| • 10 min | 0.01 |
| • 2 hrs. | 0.005 |

Coefficient of thermal expansion, °C

Flexural Strength, N/mm², 28 days

Tensile Strength, N/mm², 28 days

Setting Time, hr

- | | |
|-------------------|---|
| • Initial setting | 2 |
| • Final setting | 5 |

Fresh Wet Density, kg/m³

Approx 1600

CLEANING

- Clean all tools immediately after use with clean water. Do not allow 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 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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