

Carbolink's Solutions for : Tiling Products



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



Tiling Products

Tiling Products are composed of cement and some special organic ingredients to solve the problems of conventional material. It is designed to create strong and long lasting tile joints. It is easy to apply and can be used in sub - merged conditions. Tiling Products can be used as a bond coat for setting absorptive, semi-vitreous and vitreous ceramic tiles for service in residential and commercial use for both floor and wall installations. They have high bond strength and are ideal for vertical / horizontal applications of granite, marble, etc.

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

Here is our Tiling Products Products range:

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CLI EP Grout 40

Three Component Epoxy Based Tile Joint Filler

DESCRIPTION

CLI EP Grout 40 is composed of cement and some special organic ingredients to solve the problems of conventional material. It is designed to create strong and long lasting tile joints. CLI EP Grout 40 is available in different range of colours.

ADVANTAGES

- Moisture insensitive.
- Tough performance reduces floor joint repairs and maintenance.
- Does not allow the growth of fungus, bacteria etc

APPLICATION

- Tile joints

APPLICATION METHODOLOGY

- Ensure that the groove to be filled is free from dust and other contaminants like oil grease etc.
- Ensure that the groove is not filled with standing water.
- Apply on bone dry surface.
- While mixing first mix component A (resin component) and component B (Hardener component) thoroughly and after ensuring that the components are mixed properly, add component C (Filler component) slowly and mix thoroughly till a homogeneous mix is achieved.
- Fill the groove with mixed material using spatula or by trowel or by any convenient method.
- Joints should be overfilled with the thoroughly mixed material and immediately level by using trowel or any other suitable method and wipe off any excessive mixed material on tiles using thinner. If CLI epoxy tile grout has completely hardened, a heat flame may be used to soften the material for easier removal. Ensure that the aesthetic look of the tile is not lost while heating with burner.

CHARACTERISTICS

Mix Gravity	1.80 approx
Pot Life @ 24 °C, min	30
Tack free time @ 24 °C, hrs	12
Coverage in running Mtr for 5 kg unit	200 Running Mtr approx for 2 mm x 5 mm groove size
Compressive Strength	210
At 72 hrs, kg/Cm ²	
Tensile Strength	46
At 7 days, kg/Cm ²	
Chemical Resistance	
after 72 hr at 24 °C	
• CaCl ₂ (10%)	Excellent
• Caustic (10%)	Excellent
• Muriatic Acid (10%)	Excellent

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Ensure adequate ventilation and avoid inhalation of dust.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. 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 5 kg unit.

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.



CLI Grout 50

Single Component Tile Joint Filler

DESCRIPTION

CLI Grout 50 is composed of cement and some special organic ingredients to solve the problems of conventional material. It is designed to create strong and long lasting tile joints. CLI Grout 50 is available in different range of colours.

ADVANTAGES

- Low cost service life - mould resistant, tropical grade
- Easy to apply - just add water for a thixotropic, non-slump grout
- Can be used in submerged conditions
- Available in a range of attractive colours

APPLICATION

- Tile joints upto 10 mm width
- Suitable for external floor and wall cladding

APPLICATION METHODOLOGY

- All tiles must be securely fixed in place and thoroughly cleaned before CLI Grout 50 is applied.
- Tile joint filling should only be done 24 hr after fixing the tiles.
- Require 340 – 360 ml of water for 1 kg of CLI Grout 50.
- Add powder to water and mix until a uniform, lump-free, thick creamy paste is produced, allow standing for ten minutes prior to use.
- Apply to the spaces between the tiles using a sponge, spatula or a small piece of soft cloth.
- Work the mixture into the joints and around the edges.
- Remove surplus material from the face of the tiles with a dry cloth and run the tip of a gloved finger or suitable rounded tool along the grout to level it off and form a profile.
- When the grout is dry, clean the tiles with a damp sponge to remove any excess material. Do not allow the excess grout material on the tiles to cure which will make removing difficult.

CHARACTERISTICS

Physical Appearance	Coloured powder
Workable time after mixing with water @ 35 °C, minute	30

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Ensure adequate ventilation and avoid inhalation of dust.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. 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 1 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.

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CLI Tile Glue RP 100

Fast Setting Dry Set Tile Adhesive Mortar

DESCRIPTION

CLI Tile Glue RP 100 is a factory blend of Portland cement, sand and special chemical additives which produce an excellent, fast setting dry-set mortar. CLI Tile Glue RP 100 enables the contractor to set tile and grout within two hours so that he will have a finished installation which can be open to foot traffic in 24 hours.

CLI Tile Glue RP 100 is used as a bond coat for setting absorptive, semi-vitreous and vitreous ceramic tiles for service in residential and commercial use for both floor and wall installations. It is used in mortar bed as thin as 2.5mm after the tiles have been properly embedded. CLI Tile Glue RP 100 has excellent water and impact resistance, is water cleanable, non-flammable, good for exterior work and requires no soaking of tiles. CLI Tile Glue RP 100 mortar is not affected by prolonged contact with water, but does not form a waterproof barrier. CLI Tile Glue RP 100 provides a permanent installation with higher bond strength, and lower material and labor cost than conventional Portland cement mortar beds.

ADVANTAGES

- Pre-packed product requiring only direct mixing at site
- High bond strength. Ideal for vertical / horizontal applications of granite, marble, etc.
- Excellent grab during open time
- Quick fixing, reduces labour costs
- Can be used in the interior and exterior of buildings

APPLICATION

- Suitable backings, when properly prepared, include plumb and true masonry concrete, cured Portland cement mortar beds, bricks, unglazed ceramic tiles, and marble.

APPLICATION METHODOLOGY

- Ensure that tiling surface is clean, dry, structurally sound, free of all grease, oil, dirt, dust, curing compounds, sealer, coatings, efflorescence, old adhesive residues and any other foreign matter. cleaning may be accomplished via mechanical sanding, scraping, or chipping.
- Roughen smooth steel troweled concrete floors to ensure a good bond. It is advisable to dampen dry porous concrete before installing tiles with CLI Tile Glue mortar. Do not leave puddles or standing water on surfaces.
- Ensure that temperatures ranges between 4 °C - 38 °C .
- For ceramic tile substrates the surface must be prepared in accordance with the requirements for cementitious surfaces. It is also necessary to abrade the surface to ensure proper bonding.
- Expansion joints shall be installed in accordance with local building codes. Expansion joints, control joints and cold joints shall never be bridged with setting material.
- Add CLI Tile Glue RP 100 to clean, potable water in the ratio of 3 : 1 by volume. Mix thoroughly until smooth mortar consistency is achieved.
- If a mechanical mixer is used, do not use a high speed drill to mix mortar. Mix only enough mortar that can be used within 30 minutes. The proper mortar consistency is such that when applied with a notched trowel to the substrate, the ridges formed in the mortar will not flow or slump. Some stiffening of the mortar may occur prior to 30 minutes; re-stir occasionally. If after 30 minutes the material becomes hardened, do not add water, but discard the material.
- Spread mortar with flat side of trowel to key-in substrate; then, apply additional mortar to a depth sufficient to be notched with a suitable trowel that will leave only enough mortar to give 100% contact with back of tile and a subsequent mortar bed of 2.4mm to 4.8mm.
- With high lug tiles, "back buttering" may be required to ensure 100% coverage to back of tiles.
- During the setting of tile, it is advisable to occasionally remove a tile, to ensure good transfer of mortar to tile and for proper alignment. Do not adjust tiles in mortar after they have been set past 10-15 minutes.

LIMITATION

- CLI Tile Glue rp 100 must not be applied directly over wood, asphalt sheeting, vinyl covered wall board, cement asbestos board, metal, glass, plastic, or gypsum mortar beds.
- Apply in temperature ranges above 4 °C (Do not allow mortar to freeze for the first 72 hours). Lower temperatures may require longer set time before traffic is allowed.
- Some green or red marbles may warp when installed with setting materials containing water causing loss of bond and/or damage to the finish.

CHARACTERSTICS

Texture	Powder consist of Portland cement, graded sand, organic and inorganic chemicals
Bulk Density, kg/m ³	1650 kg m ³ approx
Shear Bond Strength Kg/ Cm ² ,	
• 2 hrs	10
• 4 hrs	20
• 24 hrs	30
Setting time, Minute	30 – 35

CLEANING

Water is all that is needed to remove uncured mortar.

HEALTH & SAFETY

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Ensure adequate ventilation and avoid inhalation of dust.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. 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 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

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