

Carbolink's Solutions for Grouts & Anchors

EP 325



**Grouts & Anchors 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



Grouts & Anchors

Cement and Epoxy resin grouts for construction applications including grouting baseplates, machine bases, rails and all sorts of voids in new construction and repair work.

With exceptional flow, stability and strength characteristics, our grouts provide the best solution for high precision and critical applications, together with a wide range of cement and resin based anchoring systems. The range of grouts and anchors is tested and outperforms industry laid norms and standards.

Utilizing our extensive range of products, combined with the expert knowledge and experience of our people, Carbolink strives to deliver an innovative and value-driven solution. Always in constant consultation with our customers, Carbolink will develop a tailored solution for any construction project, adding value and becoming more than just a materials supplier.

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

Here is our Technical Description of EP 325 :





EP 325

Solvent-free, High Viscous Epoxy Resin for Crack Injection System

FEATURES

Excellent bond strength restores structural integrity
High elastic modulus ensures effective transfer of stresses at bond interface
Pre proportioned to give consistent performance
Moisture-insensitive versatile in applications
Resistant to a wide range of chemicals and liquids

DESCRIPTION

EP 325 is a two-component, moisture - insensitive, epoxy resin based crack injection system, designed for sealing cracks in concrete and restoring its structural integrity. It is recommended for grouting of 0.5 mm to 10 mm wide cracks, cold joints and other such undesirable cracks.

SUBSTRATE PREPARATION

EP 325 treated surface must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues, etc., 2 - 3cm on either side of the crack that will inhibit adhesion to the substrate.

Use appropriate pneumatic drills for making suitable holes and fix the nipples or injection packers. Ensure the holes are free from debris and laitance before fixing the packers or nipples.

Use suitable adhesive for fixing surface port or nipples in position. The distance of ports or the nipples depends on the crack severity and the nature of the structure but with maximum centre-to-centre distance of 1000 mm. Close the whole length of crack opening using suitable adhesive.

MIXING

The individual component of EP 325 should be thoroughly stirred before being mixed together. The entire content of resin Part A should be poured into a large vessel so that the hardener Part B can be accommodated. Mix the two component thoroughly to ensure a smooth and consistent mix is achieved.

APPLICATION

The mixed EP 325 is injected / grouted into cracks / joints using the suitable equipment.

Use a high pressure, airless double diaphragm pump or two-component piston pump specially design for epoxy injection. Inject in each port or nipple (keeping all others closed except the next immediate one). When the resin start coming out of the next port / nipple, close it and continue injection / grouting until the pressure is maintained for 1 - 5 minutes.

Close the port, disconnect the pump and continue this process until all the ports / nipples are injected / grouted similarly.

After 24 hours remove all the nipples / ports and fill the resulting cavity with suitable epoxy adhesive.

LIMITATIONS

Once the mixed material has exceeded its pot life the viscosity and the characteristics of the product changes and any unused product should be discarded at this time.

CLEANING

Clean tools and equipment using CLI Ecos Sol 205 immediately after use.

PHYSICAL PROPERTIES

EP 325	@ 27±1°C
Appearance	Pale yellow liquid
Mix density	1.1 kg/litre
Viscosity	1000±100 cps
Pot Life	45 Minutes
Application limits	0.5 mm - 10 mm
Tack free time	6 Hours
Full Chemical Cure	7 days

Compressive Strength (ASTM C579)

24 Hours	>60 N/mm ²
7 days	>70 N/mm ²

Bond strength to concrete (ASTM D4541)

7 days	>2.0 N/mm ²
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COVERAGE ESTIMATES

Pack size	Coverage
5 kg	The coverage depends
Part A 4.10kg	on the substrate, width
Part B 900gms	of the crack / void to be grouted, absorption of the substrate, loss and waste and porosity of the substrate

STORAGE AND SHELF LIFE

EP 325 has a shelf life of 12 months if kept in a dry, store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

PRECAUTIONS

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection is necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

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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