

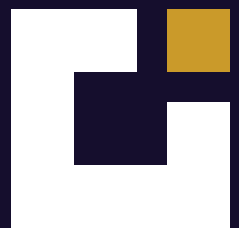
Carbolink's Solutions for Grouts & Anchors

EP 300



**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 300 :





EP 300

Epoxy Bonding Agent

FEATURES

Excellent bond strength
Non-Shrink
Forms a structural bond between new and old concrete
Can be applied to damp surfaces
Compatible with fresh cement or concrete products
Excellent adhesion to most substrates

DESCRIPTION

EP 300 is an un-pigmented two component, phenalkamine epoxy bonding agent. It is specifically designed for bonding new render or concrete to aged or old concrete substrates. It acts as a high strength bonding bridge between old and new concrete. EP 300 is a good bonding agent for tiles, bricks, concrete blocks, repairing potholes and spalled concrete etc.

SURFACE PREPARATION

EP 300 is an un-pigmented two component, phenalkamine epoxy bonding agent. It is specifically designed for bonding new render or concrete to aged or old concrete substrates. It acts as a high strength bonding bridge between old and new concrete.

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MIXING & APPLICATION

Individual contents of EP 300 should be thoroughly stirred before being mixed together. The entire content of the Part A should be poured into a larger mixing vessel to incorporate the Part B. Finally the part B is added to the same vessel. Mix all the two materials with spiral mixing paddle in a slow speed drill, continue until a consistent homogenous mix is achieved. One or more packs can be mixed simultaneously to ensure a quick rate of installation.

The mixed material should be applied to the prepared surface without delay using a brush. Only apply the Bonding Bridge to an area to which the new render or concrete can be placed while the bonding bridge remains tacky state. Immediately following application of the EP 300, place the new render or concrete and finish as required. Repeat the process until the full area to be treated is complete.

LIMITATIONS

EP 300 should be applied whilst the surface temperature is between 10° - 35°C. The product will cease to cure below 10°C, but will recommence curing when the temperature rises above 10°C. Curing time will also be adversely affected in situations where relative humidity is > 85%. Good ventilation should be provided during curing cycle.

CLEANING

EP 300 can be removed from tools and equipment by using CLI RTC 100 immediately after use. Any hardened material will need to be removed mechanically.

PROPERTIES

The values shown are typical of results obtained in the laboratory at 27 ± 1°C. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

EP 300	@ 27 ± 1°C
Appearance	Off white colour, with brushable consistency
Pot life	4 - 5 hours
Mixed density	1.35 - 1.40 g/cc
Initial cure	48 hours
Full cure	7 days
Time between the coats	24 hours
Bond Strength After 1 day	>2.0 N/mm ²

Compressive strength After 7 days BS 6319-Part-2	76.0 N/mm ²
Flexural strength BS 6319-Part-3	50.0 N/mm ²
Tensile strength BS 6319-Part-7	> 13.0 N/mm ²
Shear strength Test BS 6319-Part-4	> 5.0 N/mm ²

COVERAGE ESTIMATES

Pack Size	Coverage
5kg Part A 4kg Part B 1kg	Approximately 10m ² /kit

NOTE : The coverage figure is based on a flat level surface, additional material should be allowed for where the surface is rough or uneven.

STORAGE AND SHELF LIFE

EP 300 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 accelerating admixer product should be removed with plenty of water. Disposal of such product or empty packaging should be in accordance with local waste disposal authority regulations.

COONDITIONS 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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