

Carbolink's Solutions for Industrial Flooring

IF 18 C



**Industrial Flooring 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



Industrial Flooring

Specialist applied, polyurethane resin floor finishes, combining outstanding wearing properties with high chemical resistance and pleasing decorative properties. Ideally suited in aggressive areas where a seamless, joint free finish is required and maximum cleanliness is essential. Factories and general heavy duty plant and traffic areas are just some of the environments that can benefit from the tough chemically resistant system.

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

Here is our Technical Description of IF 18 C :





IF 18C Epoxy Coving Render

HIGH PERFORMANCE, EPOXY COVING SYSTEM, SUPPLIED AS THREE COMPONENTS IN PRE-MEASURED PACKS FOR EASE OF ON SITE MIXING AND USE. THE CURED SYSTEM FORMS A TOUGH, EASILY CLEANED, PIGMENTED LAYER OF 2"x2" THICK

FEATURES

- Hard wearing - extremely durable
- Good abrasion resistant with low maintenance costs
- Seamless - easily cleaned to maintain high standards of hygiene
- Easy to apply

STANDARD COLORS

Available to any standard RAL Card upon request

DESCRIPTION

Specialist applied, Epoxy coving system, combining outstanding wearing properties with high chemical resistance and decorative properties. Ideally suited for aggressive areas where maximum cleanliness is essential. Food processing and storage, abattoir's, drinks production, dairies and general heavy duty plant and traffic areas are just some of the environments that can benefit from this system.

SUBSTRATE PREPARATION

The substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc., which will inhibit adhesion to the substrate. All vertical surfaces must be of a rigid construction to resist deflection during the application process.

Use a suitable Degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated substrates should be mechanically prepared, either by grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying IF18C. Overwatered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

NOTE : Any joints or cracks in the substrate where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface and suitably sealed.

PRIMING

All substrates must first be primed with IF N18 Moisture Insensitive Primer. One or more coats may be required depending upon the condition and porosity of the substrate. Ensure that the primer is tacky prior to commencing application of IF 18C.

MIXING

The individual contents of the RIF 18C should be thoroughly stirred before being mixed together. The entire contents of the Part A and B should be poured in to a larger mixing vessel to incorporate the Part C. Mix thoroughly with a spiral mixing paddle in a slow speed drill. Ensure smooth mixing. Finally the Part C is added to the same container. The mixing of all the three should continue for further two minutes to create consistent homogenous mix is achieved.

APPLICATION

For coving application, the mixed material should be applied to the prepared and primed tacky surface without delay using a trowel to achieve the desired thickness and coving profile.

NOTE : Do not overwork the surface and do not mix more than can be used within the working time. The work area should be protected during the installation process and during the initial curing time to ensure that no airborne debris can contaminate the surface of the wet resin as this will lead to unwanted blemishes in the hardened and cured surface. All movement joints in the substrate must be carried through the coving render and properly sealed. Construction joints and cracks not subject to movement may be overlaid but should the substrate move in anyway, these defects will reflect through the coving render. Isolation joints will need to be allowed for in areas where high thermal movement is anticipated, e.g. around ovens and freezers.

LIMITATIONS

IF 18C should only be applied at temperatures above 10°C. Substrates should be dry and not affected by rising damp. Concrete or other cementitious substrates should have a surface tensile strength of at least 1.5 N/mm². IF 18C may be applied to substrates of a lower strength, but the long-term performance may be impaired. Once the mixed material has exceeded its pot life, the viscosity and the characteristics of the product will change and any unused product should be discarded at this time.

CLEANING

IF 18C 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 $27 \pm 1^\circ\text{C}$. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

IF 18C	@ $27 \pm 1^\circ\text{C}$
Pot life	45 mins
Light traffic	24 hrs
Full traffic	48 hrs
Full cure	7 days
Bond strength (7days)	$> 1.5 \text{ N/mm}^2$
Compressive strength	70 N/mm^2
Flexural strength	23 N/mm^2
Tensile strength	11 N/mm^2

COVERAGE ESTIMATES

Pack size	Coverage
16.5kg	Approximately
Part A 1kg	9.5 running meter
Part B 500g	at 2"x2" thick
Part C 15kg	

NOTE : These figures are theoretical, due to the wastages and the variety and nature of substrates practical coverage figures may be reduced.

STORAGE AND SHELF LIFE

IF 18C 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.

COLORS

IF 18C is available to any standard RAL Card upon request.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. 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 resin-based materials. Always wear gloves and eye / face protection as 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 our literature is based upon extensive experience 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**



Carbolink India Pvt. Ltd.
105, 1st Floor, Bhavya Sree Arcade,
Above BATA, Erragadda,
Hyderabad- 500018, INDIA
Tel : +91 2370 0524, 2381 0264
Email : info@carbolinkindia.com