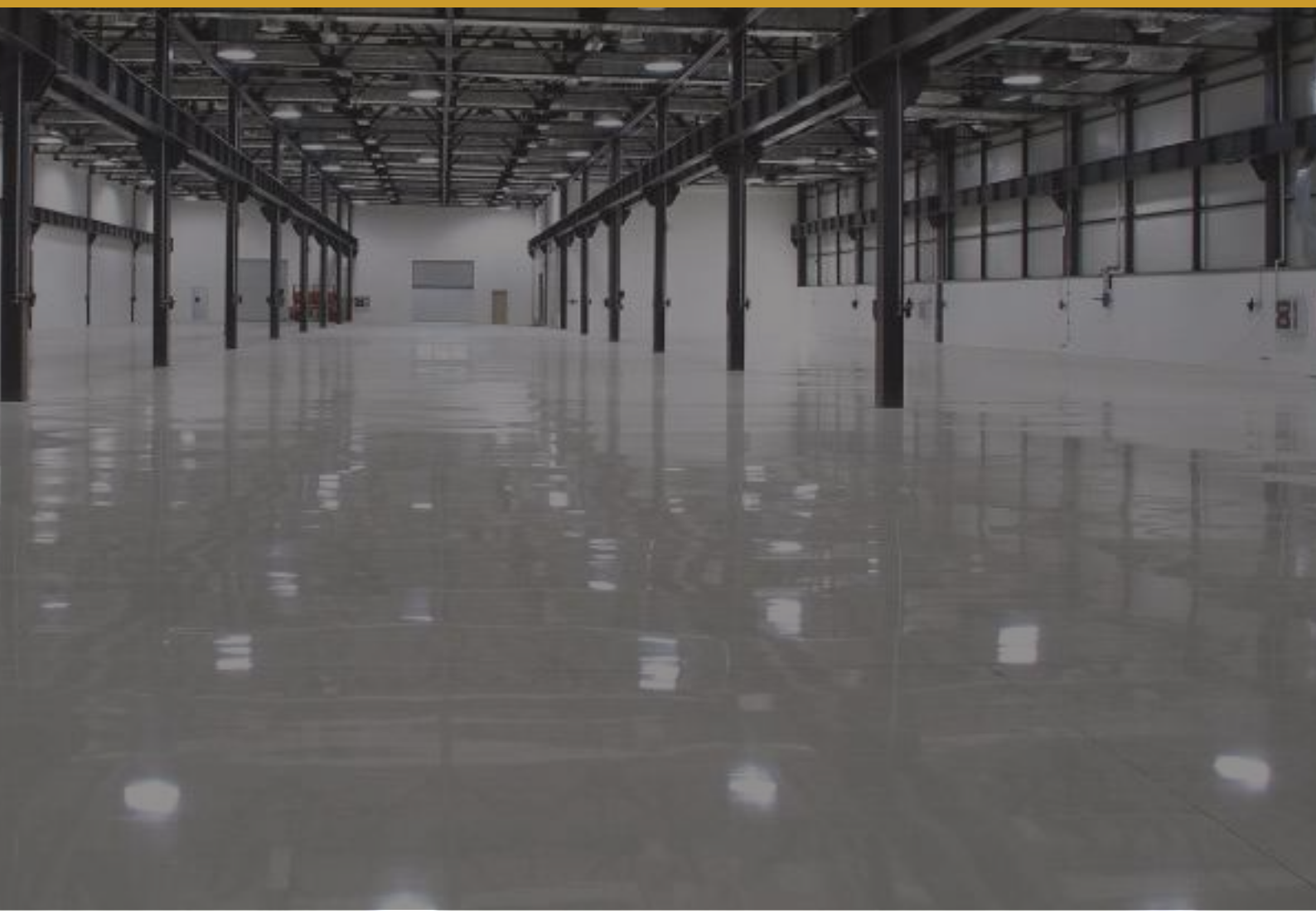
Carbolink's Solutions for Industrial Flooring

IF 26 AN



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

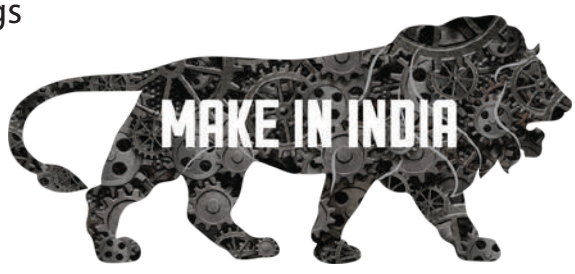
For years, Carbolink India has been the Quality Leader in offering excellent Construction Chemical Products with Supreme Quality and Reliability.

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 Coumpounds
- Decorative Flooring
- Floor Hardner
- Grounts & Anchors



- Industrial Flooring
- Reparing 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 Descripotion of IF 26 AN :

IF - 26AN

Antistatic Epoxy

HIGH PERFORMANCE, ANTISTATIC, CONDUCTIVE SELF-SMOOTHING, EPOXY FLOORING SYSTEM

FEATURES
Electrostatically Conductive
Excellent Chemical, Mechanical and Abrasion Resistance
Seamless- easily cleaned to maintain high standards of hygiene
Hard wearing and durable with low maintenance costs
Solvent free
Microelectronic industry grade conductivity

STANDARD COLOURS
Available to any standard RAL Card upon request.

DESCRIPTION
IF - 26AN is seamless, self-smoothing, solvent free, conductive epoxy flooring system with excellent conductive properties. The cured conductive epoxy flooring exhibits an attractive joint free finish with chemical resistance and decorative properties. Suitable in industries such as Electronic & Telecommunication, Automotive, Pharmaceutical, Aerospace, Operation Theratres, Computer rooms, etc.

SURFACE PREPARATION
Good substrate preparation is essential for optimum performance. The concrete surface must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, and curing agents. Laitance, adhesive residues etc. that will inhibit adhesion to the substrate.

Use a suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, scarifying, grinding or shot blasting equipment or similar, and 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 concrete base where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface. New concrete slabs must be allowed to cure for at least 14 days. The maximum moisture content of the substrate should be <4% measured by an accurate moisture meter.

IF - 26AN Primer
IF - 26AN Primer is supplied in two contents Part A & Part B. Before applying IF - 26AN Primer, prime the surface with minimum two coats of IF - 1E Solvent Free Epoxy Primer. All areas to be treated with IF - 26AN must first be primed with IF - 26AN Primer.
A minimum of two coats of IF - 26AN Primer is required. Poorly primed surface may lead to blistering, pinholing and more importantly the conductive values get affected. Use a mechanical mixer and mix the two parts of the IF - 26AN Primer for one minute so that it forms a homogeneous mix. Do not over mix as it will result in air entrainment and also the mixed material may get heated up.

Apply IF N18 Primer by roller on the surface. Apply 2 coats of
IF - 26AN Primer to get a total thickness of 175 - 200 microns in 2 coats. Time interval between the two coats should be 6 - 8 hours depending on temperature & humidity. After application of first coat place self adhesive copper tape of 12 - 20mm width and 70 - 100 micron thick at the periphery of the primed surface.

IF - 26 AN Top Coat
After 24hours of IF - 26AN Primer application, the IF - 26AN Top Coat has to be applied. The IF - 26AN Top Coat comprises of Part A, Part B & Part C. The individual contents should be thoroughly stirred before being mixed together. Initially the entire contents of the Part A should be poured into a larger mixing vessel to incorporate Part B and mix thoroughly. Then add Part C into the mixed Part A & Part B. The three parts should be mixed for at least 2 minutes with a spiral mixing paddle using a slow speed mechanical mixer at a speed of 300 - 400 rpm. The mixing should continue until a consistent, uniform colour and homogenous mix is achieved. Do not over mix as it will result to an increase in the resistance of the floor and may no longer comply with the specification for antistatic floors along with issues like air entrainment and also the mixed material may get heated up which will eventually reduce the pot life.
IF - 26AN Top Coat should be applied to the prepared and primed surface without delay using a trowel or depth set rake to achieve the desired thickness of 1.5 - 2.0mm.

As soon as the IF - 26AN Top Coat has been laid and as work progresses, the surface should be gently rolled with a spike roller in order to release any entrapped air from the mix also to blend out any trowel marks. IF - 26AN is self curing and the work area should be protected during the installation process and during the initial curing time for at least 24 hours, to ensure that no debris, insects, dust, spillage can contaminate the surface of the IF - 26AN Top Coat, as this will lead to unwanted blemishes in the hardened, cured surface.

LIMITATIONS

IF - 26AN should not be applied to floors that are known to have rising moisture or have relative humidity of greater than 75% at the time of application. These products should not be applied in temperatures less than10°C. 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. Do not steam, clean or use hot water above 55°C to wash the surface.

NOTE : All products are manufactured under strict Quality Assurance procedures; however it is recommended that wherever colour consistency is essential, products from one batch should be used as much as possible.

CLEANING

IF - 26AN can be removed from tools and equipment by using ARDEX ENDURA 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 ± 1ºC. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

IF - 26AN Primer	@ 27 ± 1ºC
Colour	Black
Pot life	60 mins
Mixed Density	1.0 - 1.03 gm/cc
Mixing Ratio	Part A : Part B 4 : 1

IF - 26AN Top CoatPot life 40 minutes

Mixed Density	1.65 - 1.70 gm/cc
Foot Traffic	24 Hours
Full Cure	7 days
Shore D after 7 days	Hardness > 80
Bond Strength after 7 days	2.5 N/mm²
Tensile Strength BS 6319, Part - 7	> 16.00 N/mm²
Flexural Strength BS 6319, Part - 3	> 39.00 N/mm²
Compressive Strength after 7 days	> 50.00 N/mm²

COVERAGE ESTIMATES

Pack size	Coverage
IF - 26AN Primer 2.250 kg Part A 1.80kg Part B 450g	Approximately 9m²/coat
R 625 CE Top Coat 14 kg Part A 4.30kg Part B 1.69kg Part C 8.01kg	Approximately 4.0m² @ 2 mm thickness

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 - 26AN store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 12 months when stored as above.

MAINTENANCE
Good housekeeping and regular cleaning is essential in order to maintain the performance of IF - 26AN. It is particularly important in areas that are subject to regular spillage of chemicals. Spillages should not be allowed to dry, which results in higher concentrations of the chemicals, which may lead to early failure. Regular cleaning of the surface with a rotary scrubbing machine in conjunction with a water miscible cleaning agent or hot water washing at temperatures up to 50°C is recommended.

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.

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.

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