



IF - 26AN

Antistatic Epoxy

Pack Size

16Kgs

TDS
Technical Data Sheet



Description

IF 26AN is a seamless, self-smoothing, solvent-free, conductive epoxy flooring system with excellent conductive properties. The cured conductive epoxy flooring offers a joint-free finish with chemical resistance and decorative properties, making it suitable for industries such as Electronics & Telecommunications, Automotive, Pharmaceutical, Aerospace, Operation Theatres, and Computer Rooms.

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.

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. 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 by scabbling, scarifying, grinding, or shot blasting equipment to sound, solid concrete. Dust and other debris should be removed using vacuum equipment. New concrete slabs must be allowed to cure for at least 14 days. The maximum moisture content of the substrate should be less than 4% measured by an accurate moisture meter.

IF 26AN Primer

Primer IF 26AN Primer is supplied in two parts: Part A and Part B. Before applying IF 26AN Primer, prime the surface with a minimum of two coats of IF 3E Solvent-Free Epoxy Primer. Mix the two parts of IF 26AN Primer using a mechanical mixer for one minute to form a homogeneous mix. Apply the primer by roller, ensuring that the total thickness of 175 - 200 microns is achieved in two coats. After the first coat, place self-adhesive copper tape at the periphery of the primed surface.

IF 26AN Top Coat

After 24 hours of IF 26AN Primer application, apply IF 26AN Top Coat. Thoroughly stir the individual contents of Part A, Part B, and Part C before mixing them together. Use a spiral mixing paddle with a slow-speed mechanical mixer (300 - 400 rpm) to achieve a consistent, uniform colour and homogeneous mix. Apply the top coat to the prepared and primed surface using a trowel or depth-set rake to achieve the desired thickness of 1.5-2.0 mm. Gently roll the surface with a spike roller to release any entrapped air and blend out trowel marks. Ensure the work area is protected during installation and initial curing to avoid contamination.

Limitations

IF 26AN should not be applied to floors with rising moisture or relative humidity greater than 75%. It should not be applied in temperatures below 10°C. Once the mixed material has exceeded its pot life, it should be discarded. Do not steam clean or use hot

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IF 10 C

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water above 55°C on the surface. For colour consistency, use products from the same batch wherever possible.

Cleaning

IF 26AN can be removed from tools and equipment using AC Thinner immediately after use. 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.

Physical Properties

IF 26AN Primer

Colour:	Black
Pot life:	60 minutes
Mixed Density:	1.0 - 1.03 gm/cc
Mixing Ratio:	Part A : Part B = 4 : 1

IF 26AN Top Coat

Pot life:	40 minutes
Mixed Density:	1.65 - 1.70 gm/cc
Foot Traffic:	24 Hours
Full Cure	: 7 days
Shore D Hardness after 7 days:	>80
Bond Strength after 7 days	: 2.5 N/mm ²
Tensile Strength:	> 16.00 N/mm ² (BS 6319, Part 7)
Flexural Strength:	> 39.00 N/mm ² (BS 6319, Part 3)
Compressive Strength after 7 days	: > 50.00 N/mm ²

Coverage Estimates

- IF 26AN Primer: Approximately 9 m² per coat
- IF 26AN Top Coat: 4.0 m² @ 2 mm thickness

Pack Size

16Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.

