



# IF 20 (WB)

Water - Based Epoxy Coating

Pack Size  
10Kgs

TDS  
Technical Data Sheet



## Features

Low odor, cost-effective floor maintenance coating Enhances durability of concrete surfaces

## Standard Colors

Available in a range of RAL colors upon request.

## Description

IF 20 (WB) is designed to create an easy-to-clean surface with excellent adhesion to concrete and cement/sand screeds. It is particularly suitable for floors in garages, warehouses, light industry, and other areas subject to light vehicular and pedestrian traffic.

## Substrate Preparation

The concrete surface must be hard, sound, and free of dust or other materials that could hinder adhesion, such as paint, lime coatings, plaster, curing agents, laitance, or adhesive residues. Use an appropriate degreaser to remove contaminants like polish, wax, grease, and oil before mechanical preparation. Contaminated surfaces should be mechanically prepared using methods such as scabbling, grinding, or shot blasting, followed by thorough vacuuming. For overwatered or weak concrete surfaces, ensure preparation down to solid, sound concrete. Joints or cracks in the concrete base where differential movement is expected should be addressed before the final application. New concrete slabs must cure for at least 30 days before applying IF 20 (WB).

## Mixing

Before mixing, thoroughly stir the contents of IF 20 (WB). Pour the entire contents of Part B into the Part A container, then mix thoroughly for at least 3 minutes using a slow-speed drill fitted with a spiral paddle. To ensure complete activation, reintroduce some of the mixed material back into the Part B container, then pour it back into the mixing vessel and mix again for 30 seconds. This method ensures product consistency and that any remaining resin in the containers will cure fully for easier waste disposal. Note that once mixed, IF 20 (WB) will generate heat and lose working time if left in the mixing container or kept in bulk.

## Coating

Apply the mixed IF 20 (WB) to the prepared surface using a brush or short/medium pile roller. Ensure full coverage of the surface without ponding. The second coat should be applied as soon as the first coat has dried (typically 12 to 18 hours), though this may vary depending on surface conditions and ambient temperature. Ensure adequate ventilation and air movement during drying. If using new rollers, remove all loose fibers before use, as loose fibers can cause blemishes in the finished coating.

## Slip Resistant Finish

A fine textured, slip-resistant finish can be achieved by scattering Fine Aggregate into the wet first coat of IF 20 (WB). The second coat will encapsulate the aggregate, but note that this will reduce the coverage rate.

## Limitations

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IF 20 (WB) should not be applied at temperatures below 10°C or where ambient relative humidity exceeds 85%. The rate of wear may increase in high-traffic areas, such as doorways, workbenches, or around drink dispensers. In such areas, additional coats or higher performance treatments may be necessary. Once the mixed material has exceeded its pot life, discard any unused product as its viscosity and characteristics will change.

## Cleaning

IF 20 (WB) can be cleaned from tools and equipment using clean water immediately after use. Hardened material must be removed mechanically.

## Properties

The values provided are typical results obtained in laboratory conditions at 27 ± 1°C. Actual performance may vary depending on site conditions.

## Physical Properties

Pot life	:30 mins
Time Between Coats:	8 - 24 hours
Foot Traffic:	24 hours
Full cure:	7 days
Dry Film Thickness:	Approximately 100 microns per coat

## Coverage Estimates

Approximately 250grams/sq metre/coat. Note that these figures are theoretical, and practical coverage may vary based on substrate conditions and application methods.

## Storage and Shelf Life

IF 20 (WB) has a shelf life of 12 months if stored in a dry place between 5°C and 30°C in its original, unopened containers. The product should be protected from frost, direct sunlight, and sources of heat.

## Pack Size

25KgS



## 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.