



IF N18

Moisture Insensitive Primer

Pack Size

6Kgs

TDS
Technical Data Sheet



Product Overview

IF N18 is a two-component moisture insensitive primer designed for use with Epoxy Modified Cementitious Floor Screed and Heavy Duty Epoxy Floor Screed. It provides excellent penetrating properties for porous substrates like concrete and sand/cement screed. Typically, a minimum of two coats is recommended to ensure optimal adhesion, and for very porous surfaces, additional coats may be necessary to achieve the desired bonding efficiency.

Key Features

Good adhesion to epoxy/polyurethane floor toppings and cementitious substrates Can be applied on damp concrete surfaces Easy to apply Seals the substrate effectively

Substrate Preparation

The substrate, whether concrete or screed, must be hard, sound, and free of dust, paint, lime coatings, plaster, curing agents, laitance, adhesive residues, and other materials that could inhibit adhesion. Use a suitable degreaser to remove polish, wax, grease, oil, and similar contaminants before mechanical preparation. Contaminated concrete surfaces should be mechanically prepared by scabbling, grinding, or contained shot blasting, followed by thorough vacuuming. Note: Any joints or cracks in the substrate where differential movement is expected, such as movement joints, should be brought through to the finished surface and properly sealed. New concrete slabs must cure for at least 14 days before applying IF N18.

Mixing

Before use, thoroughly stir the individual components of IF N18. Pour the entire contents of Part B and Part A into a larger mixing vessel and mix thoroughly for at least 3 minutes using a slow-speed, heavy-duty spiral paddle drill. Reintroduce a portion of the mixed components back into the hardener container to activate any residue, then pour it back into the mixing vessel and re-mix for 30 seconds to ensure product consistency. This process ensures that any leftover resin in the containers will cure properly, making disposal easier

Application Guidelines

Once mixed, apply the material immediately to the prepared floor. Use a brush or short/medium pile roller to spread the primer evenly. Depending on the porosity of the surface, two or more coats may be required to achieve uniform coverage. All movement joints in the sub-floor must be carried through the topping and properly sealed. Construction joints and cracks not subject to movement may be overlaid, but if the floor moves in any way, these defects will reflect through the system. Isolation joints should be allowed for in areas where high thermal movement is anticipated, such as around ovens and freezers.

Cleaning

IF N18 can be removed from tools and equipment using AC Thinner 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

Working time	: 35 mins
Re-coat time:	10 - 12 hours
Bond strength to concrete:	> 2.0 N/mm ²
Coverage:	Approximately 30 m ² per coat

Storage and Shelf Life

IF N18 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.

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6Kgs



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.