



IF 10 C

Low Viscosity Repair System And Renovation Coating for Application To Polyurethane Floors

Pack Size
3.361Kgs

TDS Technical Data Sheet



Features

Hard wearing, resistant to a wide range of chemicals and liquids, suitable for use in food and drinks production environments, seamless, easily cleaned to maintain high standards of hygiene.

Standard Colours

Available to any standard RAL Card upon request.

Description

IF 10 C is a solvent-free, low viscosity repair material designed for application to polyurethane floors, such as CLI CRETE Rake and Trowel Grade Heavy Duty Polyurethane Screed. It is ideal for situations where a thin coating is needed to reduce texture or enhance appearance and cleanability. Additionally, IF 10 C serves well as a line marking paint on previously applied polyurethane floors, such as those in CLI Crete systems.

Surface Preparation

Ensure all substrates are clean and free from dust, loose particles, and contaminants like oils, greases, paint residues, and chemicals. Proper surface preparation is essential for the successful application and performance of IF 10 C. For floors less than 48 hours old, IF 10 C can be applied directly after removing dust and contamination. Older floors require surface grinding or abrasion with a coarse nylon pad combined with a strong alkali detergent.

Priming

Mix Part A and Part B in a small mixing bucket using a helical mixing paddle and electric drill for 30 seconds until uniform. Introduce Part C and Part D into the mixed resin and mix for an additional 2 minutes to achieve a homogenous blend.

Application

Apply the mixed material promptly to the prepared substrate using a brush, roller, or rubber squeegee, depending on the desired thickness and finish. For a slip-resistant texture, scatter Fine Aggregate during application. When reducing the texture of an existing floor, ensure uniform application to achieve the intended finish. For crack repairs, pour into cracks and top up as needed, or apply with a spatula for cracks up to 5 mm. For larger cracks, mix in up to half the volume of Fine Aggregate. Once cured, overcoat with neat IF 10 C.

Limitations

Apply IF 10 C only at temperatures above 5°C and when the atmospheric relative humidity is 90% or below. Avoid application when atmospheric condensation may occur before the coating is fully cured. The working life of the mixed material is approximately 8 minutes. Multiple units may be mixed, but do not mix more material than can be applied within this timeframe. Using IF 10 C beyond 10 minutes after mixing may result in a patchy, uneven finish.

Cleaning

Clean tools and equipment with AC Thinner immediately after use. Any hardened material will need to be removed mechanically.

Properties

The values provided are typical results obtained under laboratory conditions at $27 \pm 1^\circ\text{C}$. Actual performance on-site may vary from these figures.

Physical Properties

Pot life:	8 minutes
Light Traffic:	24 hours
• Full Traffic:	48 hours
• Full Chemical Cure	: 7 days
• Bond Strength:	> 1.5 N/mm ²
Water Absorption:	•< 1%
• Shore D Hardness	: > 80

Coverage Estimates

One kit yields 2.2 litres, covering 10-20 m² depending on texture, application thickness, and substrate condition.

Storage and Shelf Life

IF 10 C has a shelf life of 6 months if stored in a dry place between 5°C and 30°C in the original unopened containers. The product should be protected from frost, direct sunlight, and heat sources.

Health & Safety

Avoid prolonged contact with eyes and skin. For detailed information, refer to the relevant Material Safety Data Sheet.

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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.