



IF 10 CE

Two Component Water Based
Polyurethane Floor And
Wall Coating

Pack Size
10.1Kgs

TDS
Technical Data Sheet



Description

IF 10 CE is a two-component water-based polyurethane floor and wall coating. IF 10 CE can be extensively used for applications where a thin coating is required to reduce texture or improve appearance and cleaning. IF 10 CE is also suitable for application on previously applied epoxy and polyurethane floors and walls.

Features

For floors and walls Very high chemical resistance Hard wearing Hygiene Easy cleaning Anti-fungal, anti-bacterial

Standard Colours

Available to any standard RAL Card upon request.

Surface Preparation

All substrates must be clean and free from dust and loose particles. All traces of contaminants, such as oils, fats, greases, paint residues, chemicals, algae, and other barriers to adhesion should be removed. Good surface preparation is vital to ensure the successful application and performance of IF 10 CE. As IF 10 CE is used on previously applied polyurethane floors, appropriate surface preparation techniques will depend on the condition of the floor. If the floor is less than 48 hours old, the IF 10 CE can be applied directly after any dust and contamination are removed. Older floors will require surface grinding or abrasion with a coarse nylon pad in combination with a strong alkali detergent.

Mixing

Pour the contents of Part A and Part B into a large mixing bucket and mix using a small helical mixing paddle and electric drill for 30 seconds.

Application

The mixed material should be applied without delay to the prepared substrate using a brush, roller, or rubber squeegee, depending on the thickness and finish required.

Limitations

Only apply IF 10 CE at temperatures above 5°C and where the atmospheric relative humidity (RH) is 90% or below. Do not apply when atmospheric condensation may occur before the IF 10 CE is fully cured. The working time is approximately 30 to 45 minutes. Multiple units may be mixed, but do not mix more material than can be applied within the 30 to 45 minutes working time. Attempting to use the IF 10 CE more than 30 to 45 minutes after mixing will result in a patchy, variable finish.

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.

Product Data Sheet

IF 10 CE

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Physical Properties IF 10 CE - @27±1°C

Working time	30 to 45 minutes
Mixed Density	1.15 to 1.25 g/cc
Light traffic	24 hours
Full traffic	48 hours
Full chemical cure	7 days
Mixing ratio -	As specified on the container
Bond strength at 24 hours	Concrete - > 2 N/mm ² Epoxy - > 2 N/mm ² Polyurethane - > 2 N/mm ²
Konig pendulum hardness DIN EN ISO 1522	After 7 days curing at 23°C and 50% RH 120µm wet film thickness on glass - 92s
Pencil hardness (gouge) ISO 15184:1998	After 7 days curing at 23°C and 50% RH 120µm wet film thickness on glass - >= 2H
Gloss (60°/85°)% ISO 2813:1978	After 7 days curing at 23°C and 50% RH 120µm wet film thickness on glass - 4.5/8.9
Impact (kg.cm) ASTM2794	After 7 days curing at 23°C and 50% RH 23µm film thickness on tin-steel - >= 50
Bend (mm) ISO 1519	After 7 days curing at 23°C and 50% RH 23µm film thickness on tin-steel - <= 1
Abrasion ASTM D 4060	CS 10 abrading wheel / 10 N load, 1000 cycles Taber abrader after 7 days curing at 23°C and 50% RH - ~ 50 mg
Alcohol (100%) double rub	200 cycles, 350g load (120µm wet film thickness on glass, 7 days curing at 23°C and 50% RH) - > 200
MEK double rub	350g load (120µm wet film thickness on glass, 7 days curing at 23°C and 50% RH) - > 200

Cleaning

IF 10 CE can be removed from tools and equipment by washing in clean water immediately after use. Any hardened material will need to be removed mechanically.

Coverage Estimates

Approximately 40 m² at 70-80 microns. NOTE: These figures are theoretical. Due to wastages and the variety and nature of substrates, practical coverage figures may be reduced.

Pack Size

10.1Kg



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.