



CL – PUCRETE HDF

TROWELABLE POLYURETHANE SCREED

DESCRIPTION

CL – PUCRETE HDF is a 5-component polyurethane trowelable screed that gives a hygienic, tough, anti-skid finishing to a flooring, which is particularly suitable for industrial applications and repairs.

FIXES

Particularly suitable as hygienic floorings for food / beverage processing industries, chemical industries and industries where the floorings have to take thermal shocks from refrigerators, freezers and ovens.

FEATURES

- Seamless and hygienic finished
- Resists fungi, mould, mildew and various bacterial growth.
- Superior chemical resistance
- Good abrasion resistance
- Non-skid finished
- Low maintenance required
- Easy to clean

TECHNICAL INFORMATION

Pot Life	: 15 mins at 25°C
Light Foot Traffic	: 24 hours
Full Traffic	: 48 hours
Full Cure	: 7 days
Compressive Strength	: 50 N/mm ²
Flexural Strength	: 15 N/mm ²
Adhesion Strength	: >2 N/mm ² (concrete failure)
Impact Resistance	: < 0.5 mm (BRE screed tester)
Service Temperature	: -15°C ~ +130°C @ 6 - 8mm -40°C ~ +150°C @ 9 - 12mm
Chemical Resistance	: Excellent resistance to sugars; most organic & inorganic acids; alkalis; oil, organic solvent.

SUBSTRATE CONDITION

- Moisture content less than 4%.
- Substrate temperature: min. +10°C, max. 30°C
- Ambient temperature: min. +10°C, max. 30°C
- Relative humidity: max. 80% RH
- Floor concrete of Grade 25 or above and pull out strength of minimum 1.5N/mm².

SURFACE PREPARATION

Totally enclosed shot blasting or scarification is required. All residues must be removed to provide a dry, dust free open textured surface. The substrate must be of sufficient strength to support loads applied through the topping and free from rising damp. Prime the surface with CL-EPOFLOR P121SB.

For old floor, grooves of 8mm width and depth have to be created diagonally into the floor every 1m² area of the floor to enhance the bonding strength.

MIXING

Pour Part A (base) into a suitable clean bucket. Add Part B (hardener) to Part A (base) according to the pre-pack volume per set. Stir the mixture using low speed mechanical mixer for 15 seconds until it is uniform. Thereafter, add in Part C (pigmented), Part D (filler) and Part E aggregate, and mix for another 1 minute until a homogenous mortar is obtained. Thoroughly scrap out the residue from the bucket for every mix to prevent contamination with the subsequent mix. No dilution or thinning is required.

APPLICATION

Immediately after mixing, spread the screed mixture onto the primed floor with slightly thicker than the required thickness. Use steel trowel to spread the screed evenly at about 6 – 10mm thickness. Use short nab roller dipped in xylene and roll lightly on the surface to bring up the resin.

Further application of topcoat only can be carried out after it is cured.

PRECAUTION

- Do not apply onto surfaces known to suffer from rising damp conditions or having a relative humidity of greater than 75%.
- Temperature should not fall below 5°C within 24 hours after application.
- Do not apply to substrates that make of asphalt, unmodified sand cement screeds, PVC tiles or tiles.
- If there is movement or cracking of the substrate after application, it will reflect the cracking at the topping. All expansion joints should be maintained in the topping.

COVERAGE

Approximately 16.8 kg/m² at 8 mm thick.

COLOUR

Available in MDF light grey, light grey, MDF grey, MDF cream, MDF green and orange. Other colours are available upon request.

CLEANING

Clean all tools with acetone or xylene before the material become hardened.

SHELF LIFE

1 year when stored in a cool and dry place, sealed in an unopened container.

PACKING

Available in 32kg set consists of 3kg Part A Base, 3kg Part B Hardener, 14kg Part C pigmented filler and 12kg Part D aggregate.

Disclaimer: Specification are subject to change without notification.

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