



CL – FLOOR 11

CEMENTITIOUS SELF – LEVELLING UNDERLAYMENT WITH HIGH COMPRESSIVE STRENGTH

DESCRIPTION

CL – FLOOR 11 is a two part synthetic emulsion modified cement based self-levelling compound for underlayment application. It is suitable for levelling internal and external subfloors of concrete, cement / sand screeds, asphalt, epoxy, polyurethane coatings and the like, prior to the floor coverings installation eg. vinyl, tile, carpet, epoxy / polyurethane coatings and etc.

FEATURES

- Excellent self-levelling
- Good surface finish
- High compressive strength
- Good adhesion strength

TECHNICAL INFORMATION

Working Time : Approx. 15 minutes @ 30°C
Setting Time : 1 day per 1mm thickness
Light Foot Traffic : 24 hours depending on climatic condition
Compressive Strength : > 33N/mm² @ 28day
Adhesion To Concrete : > 1N/mm² @ 28day
(Actual results can vary depending on field conditions)

COVERAGE

Standard mix: ~ 3.9m² @ 25kg set, 3mm thickness.
~ 5.8m² @ 25kg set, 2mm thickness.
Filled mix : One set of CL-Floor 11 with 10kg of aggregate will cover approximately 1.6m² at a thickness of 10mm.

SURFACE PREPARATION

Subfloors must be dry, sound and free from any laitance, oil, grease, dust and other contaminants. Concrete bases must be fully cured, at least 14 days. No application should be done if the temperature is below 5°C.

For substrate with rising moisture, a moisture barrier system has to be installed before installing CL-Floor 11. Alternatively, to replace with CL-Epoflor MB424WB water based self-levelling epoxy moisture barrier.

PRIMING

Use CL-Primer P1 without dilution. Apply by roller at the rate of 5 – 8 m² per kg and allow it to dry prior to self-levelling application. Highly absorbent surface may require two coats of CL-Primer P1 to seal the surface. Allow each coat to dry completely before applying CL-Floor 11.

MIXING

Standard mix: Mix in the proportion of 20kg powder (Part B) and 5kg liquid (Part A). Pour liquid into a suitably sized bucket and gradually add the powder while stirring with mechanical stirrer, until a smooth, lump free consistency is achieved.

Filled mix: Add aggregate (1–4mm) into the standard mix at the ratio of 10kg to 25kg set of CL-Floor 11. Mix only sufficient material which can be applied within 15 minutes at 30°C. If a mix should thicken before application, it should be discarded. Do not add in other ingredients and re-use. If the mix shown heavy floatation, it indicates excessive working time. Do not add in more powder and re-use.

APPLICATION

Pour the mix onto the prepared surface and spread to the required thickness (not less than 2mm) with a steel trowel. Use the spiked roller to release air and smooth out trowel ridges. For application of more than 10mm thickness, use filled mix. Allow the latter to set for 1 day and follow by one more layer of 2mm thickness of standard mix for achieve better levelling surface.

TOOLS

Suitable long handed trowel, rake and spiked roller. Wash tools with water immediately after use.

SHELF LIFE

The shelf life in unopened sacks and container, stored under cool and dry conditions is as below: -
Part A : 24 months
Part B : 9 months

PACKING

Part A : 5 kg bottle.
Part B : 20 kg bag.

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Disclaimer: Specification are subject to change without notification.