



CL – FLOOR 55

SELF-SMOOTHING ACRYLIC POLYMER CEMENTITIOUS COATING

DESCRIPTION

CL – FLOOR 55 is a two-part cementitious self-smoothing acrylic polymer cementitious coating (APCC) for repairing, resurfacing and patching of concrete surface. It is suitable for interior and exterior application, e.g. warehouses, car parks and driveways, bus bays, walkways, building aprons, staircases, corridors etc., but not for structural purpose.

FIXES

- Resurfacing of worn-out concrete floor
- Patching and repairing of damaged concrete surface
- Topping for new concrete floors to increase the skid and wear resistant

FEATURES

- Superior anti-skid for foot and vehicle traffic
- Excellent abrasion and impact resistance
- Excellent bonding strength
- Good water and UV resistance

TECHNICAL INFORMATION

Working Time @ 30°C	: Approx. 15 minutes
Setting Time @ 30°C	: Approx. 8 hrs
Light Foot Traffic	: 24 hrs
Compressive Strength @ 28days	: >35 N/mm ²
Adhesion to Concrete @ 28days	: >1.4 N/mm ²
Abrasion Resistance @ 28days	: <1.0g @ 1000cycles
Flexural Strength @ 28days	: >15 N/mm ²
Skid Resistance @ 28days	: >55 BPN
Water Absorption	: <6%
Dry Shrinkage	: <0.4%

(Actual results can vary depending on field conditions)

SURFACE PREPARATION

Substrate's surface must be sound and free from any laitance, oil, grease, dust and other contaminants. Smooth and compact surfaces must be roughened by mechanical means. Defective and unsound substrates have to be removed and repaired prior application of CL-Floor 55. Existing substrate expansion joint is to be continued through the new topping and any moving crack should be isolated with a movement joint.

PRIMING

Use CL-Primer P1 without dilution. Apply by roller at the rate of 0.15 - 0.2kg/m² 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 55.

MIXING

Pour Part A liquid into a clean suitable size bucket and then slowly add in Part B powder while stirring with a slow speed mechanical stirrer. Mix thoroughly for about 2 minutes until a homogeneous lump free slurry is obtained. Avoid entrapping air during mixing.

APPLICATION

Immediately after mixing, apply the mix onto the primed surface with trowel or rubber tool up to a thickness of 3mm to 6mm in one layer. For placement of more than one layer, apply CL-Primer P1 prior each layer's application. Each subsequent layer should only be placed after the previous layer completely hardens (minimum 24 hrs).

For anti-skid surface, broom swept to a desired texture may be done shortly after initial set.

TOOLS

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

COVERAGE

Approximately 2kg/m²/mm.

COLOUR

Available in green and dark grey (colour may varied depending on cement colour).

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 : 12 months

PACKING

Part A : 5 kg bottle.

Part B : 25 kg bag.

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Disclaimer: Specification are subject to change without notification.



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