



CL – CRETE 100

NON-METALLIC FLOOR HARDENER

DESCRIPTION

CL-CRETE 100 is a ready to use non-metallic floor hardener premixed with cement, composed of non-metallic aggregate and binding elements. When this dry shake powder is dusted on and troweled into freshly floated concrete of floor screed, it produces hard, anti-abrasion and slip resistant floorings without the inherent dustiness of normal concrete floors. It is easy to maintain due to its tightly dense surface finish.

FIXES

Recommended for floorings, which are subjected to combined rolling, high impact, ramming, grinding stress and where dust reduction is required.

Applications include floorings area of: -

- Storage rooms and warehouses
- Light industrial and commercial buildings
- Corridors, halls, cellars
- Parking areas
- Loading / unloading platforms
- Workshops
- Hyper-supermarkets

FEATURES

- Highly wear resistant under severe stress
- Easy to maintain
- Non-skid
- Non-dusty
- Contains no metallic composites

CERTIFICATIONS

- TUV SUD PSB Singapore
- Seteco Services Singapore
- Sirim Malaysia

TECHNICAL INFORMATION

Consistency	Powder
Compressive Strength (EN13892-2: 2002)	$\geq 60 \text{ N/mm}^2$
Moh's Hardness (adopted SS301:1985)	8
Bulk density	1600 kg/m^3
Maximum Aggregates Size	2.4mm
Dry Solids Content	100%

Chemical Resistance: Not to be exposed to serious chemical attack

SURFACE PREPARATION

Use a concrete mix a slump of 75mm or less. The design and construction of the floor should be adequate to withstand the traffic, impact and such other loads the floor is likely to be subjected to. The freshly laid concrete mix should be well levelled with wooden trowel and allow for the evaporation of bleed water to obtain a dense and durable monolithic or integral floor, free from segregation or cracks.

APPLICATION

When the concrete has stiffed enough to prevent float blades from digging into the surface, apply 2/3 of the measured CL-Crete 100 by shaking evenly onto the freshly laid concrete floor. As soon as the applied hardener darkened in colour, indicating absorption of moisture from the concrete, float the applied surface and embed the hardener into the surface for slab, the remaining 1/3 is then broadcasted over the surface and the process is repeated. Float the applied surface using the power float to produce a smooth and dense finish. Thereafter, touch up with a steel trowel where appropriate.

CURING

The finish floor should be allowed to cure for a week whilst covered with tarpaulin paper or polyethylene sheet. In addition, curing compound, such as CL-Cure C150 could be used.

Keep the floor away from medium traffic for at least 48 hours.

Heavy traffic must be avoided for approximately 3 weeks.

COVERAGE

4 kg/m^2 for normal traffic areas.

6 kg/m^2 for heavy traffic areas.

SHELF LIFE

12 months in unopened bag, stored in cool and dry place.

PACKING

Available in 25 kg bag.



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Disclaimer: Specification are subject to change without notification.



CLP since 1947

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