



CL-PRUF CRETE 100KB

CRYSTALLINE WATERPROOFING NON-METALLIC FLOOR HARDENER

DESCRIPTION

CL-PRUF CRETE 100KB is a ready to use non-metallic floor hardener premixed with cement, non-metallic aggregate, binding elements and crystalline waterproofing additives. When this dry shake powder is incorporated into freshly floated floor slab concrete, it not only produces a hard, anti-abrasive, slip resistant flooring without the inherent dustiness of normal concrete floors but it also offers superior waterproofing properties. The latter is afforded by the unique blend of specialty additives which will react with cement particles and water to form hydration crystals. These needle-like crystals will fill up capillary pores, voids and micro cracks, thereby eliminating its permeability and water absorption

FIXES

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

- Parking areas particularly roof deck car parks
- Marine structures
- Storage rooms and warehouses
- Light industrial and commercial buildings
- Corridors, halls, cellars
- Loading / unloading platforms
- Workshops
- Hyper-supermarkets.

FEATURES

- Highly wear resistant under severe stress.
- Non dusty and skid resistance.
- Contains no metallic composites
- Permanently waterproof the concrete
- Protects reinforcing steel against corrosion
- Self-seals minor cracking
- Withstand hydrostatic pressure
- Easy to maintain

TECHNICAL INFORMATION

Compressive Strength: > 50 N/mm²

(BS 4551:1980)

Moh's Hardness : 8

Water Absorption : Reduction of > 90%

Abrasion Resistant (ASTM D4060-95), H-22 @ 1000g: -

No. of Cycles	Weight Loss / g	
	Control Mortar	CL-Pruf Crete 100KB
250	0.93	0.55
500	1.60	0.81
750	1.90	1.01
1000	2.20	1.22

Chemical Resistance: Not to be exposed to serious chemical attack

SURFACE PREPARATION

Use a concrete mix 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-Pruf Crete 100KB by shaking evenly onto the freshly laid concrete floor. CL-Pruf Crete 100KB contains a fugitive dye colouring to facilitate uniform distribution. 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

For optimum curing, spray water onto the finish floor for at least 3 days and covered with polyethylene sheet. Keep the floor away from medium traffic for at least 48 hours. Heavy traffic must be avoided for approximately 3 weeks.

COVERAGE

5 kg/m² for normal traffic areas.

7 kg/m² for heavy traffic areas.

SHELF LIFE

12 months in unopened sacks or container, store under cool and dry condition.

PACKING

Available in 25 kg bag.

122010

Disclaimer: Specification are subject to change without notification.

CLP since 1947
HQ SINGAPORE : CLP INTERNATIONAL PTE LTD
CHIN LEONG CONSTRUCTION SYSTEMS PTE LTD
 TEL : +65-6265 2786
 FAX : +65-6265 1240
 Email : chinleong@clp.com.sg

MALAYSIA: CLP CONSTRUCTION SYSTEMS SDN BHD
SELANGOR TEL : +60-3-3176 5099
MALACCA TEL : +60-6-263 1677
 FAX : +60-3-3176 2797 FAX : +60-6-263 1215
 Email : clp@clp.com.my

JOHOR
 TEL : +60-7-252 5385
 FAX : +60-7-252 5391

KEDAH
 TEL : +60-4-489 3066
 Fax : +60-4-489 1877

PERAK
 TEL : +60-5-292 6986 / 6976
 FAX : +60-5-292 6936

INDONESIA :
PT RANGALO CLP
 TEL : +62-21-581 3951
 FAX : +62-21-581 3950
 Email : rangalo@cbn.net.id

PT-CLP INDONESIA
 TEL : +62-21-2931 5121
 FAX : +62-21-2931 5133 / 28
 Email : info@clpindo.com

THAILAND:
CLPI (THAILAND) CO LTD
 TEL : +66-2769 5633
 FAX : +66-2769 5612
 Email : clpi@ksc.th.com

VIETNAM :
CLPI VIETNAM CO LTD
 TEL : +84-8-3526 1033
 FAX : +84-8-3526 1032
 Email : sales@clp.com.vn

TAIWAN :
SIHTACO CO LTD
 TEL : +886-2-2791 8539
 FAX : +886-2-8192 6248
 Email : Alice.Lee@sihtaco.com.tw
 Michael.Ku@sihtaco.com.hk

HONG KONG :
CHIN LEONG INTERNATIONAL CO LTD
LAMERTON ASIA HOLDING LTD
 TEL : +852-2542 2206
 FAX : +852-2544 9563
 Email : chinleong@chinleong.com.hk

CHINA:
LAMERTON CHEMICAL (SHANGHAI) CO LTD
SHANGHAI
 TEL : +86-21-5830 7559
 FAX : +86-21-6840 7408

ZHONG SHAN SOUTH ASIA CHEMICAL LTD
ZHONG SHAN
 TEL : +86-760-8554 4111
 FAX : +86-760-8554 4113