



CL – EPOFLOR TC222SF

SOLVENT FREE SELF-LEVELING 1.5 – 3MM EPOXY COATING

DESCRIPTION

CL – EPOFLOR TC222SF is a three-component solvent-free self-leveling epoxy coating for 1.5 – 3 mm application thickness. This low odour coating system is specially designed for floors where the installation of solvent-based material is unsuitable.

FIXES

Suitable for dry process manufacturing facilities, packaging factories, clean rooms, laboratories and warehouses.

FEATURES

- Solvent free and low odour
- Seamless and hygienic finish
- Excellent chemical resistance to sugar and most acids
- High abrasion resistance
- Fast installation

TECHNICAL INFORMATION

Pot Life	: 20 min at 30°C
Tack free Time	: 10 hr
Light foot traffic	: 24 hr
Full traffic	: 48 hr
Fully cure	: 7 day
Compressive strength	: ≥ 55 N/mm ²
Pull Out Adhesion strength	: ≥ 1.5 N/mm ²
Abrasion resistance	: < 0.15g wt loss @ 2 kg load, 1000 cycles
(ASTM 4060:1995)	

Chemical resistance test:

Type of Chemical	Excellent	Good	Limited
Hydrochloric Acid 10%		O	
Sulfuric Acid 25%		O	
Citric Acid 10%		O	
Acetic Acid 5%		O	
Lactic Acid 10%		O	
Acetone			O
Methanol			O
Sugar Syrups	O		
Caustic Soda 50%	O		
Petrol	O		
Oil	O		
Detergent	O		

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 20 or above.

SURFACE PREPARATION

Surface must be treated by shot blasting or scarification in order to remove cement laitance and to achieve open textured surface. Thereafter, followed by vacuuming. Loose contaminants must be removed mechanically to ensure that the substrate is sound. All damaged and uneven surfaces of floor have to be repaired and levelled. Surface must be dry, dust free and free from rising damp. Prime the surface with solvent free primer CL-EPOFLOR P111SF or solvent based primer CL-EPOFLOR P121SB at the rate of 0.25kg/m². When using the latter primer, two coats may be necessary if the substrate is porous.

MIXING

Pour Part B (Hardener) to Part A (Resin) in a bucket and mix with mechanical mixer at low speed for 2 minutes. Then add in Filler (Part C) or quartz sand. Mix at a low speed until the mix becomes homogeneous. Be careful not to entrap air.

APPLICATION

Immediately after mixing, pour the mix onto the primed surface and spread it by using steel trowel to the required thickness. Use the spike roller to roll onto the installed coating to release any entrapped air.

SUBSTRATE MOVEMENT

All moving joints and cracks can be over coated with CL-EPOFLOR TC222SF. However, CL-EPOFLOR TC222SF may still reflect the cracks at the constructions joints if there are substrate movements.

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.

COVERAGE

3.0 kg/m² @ 2mm thick.

COLOUR

Available in light grey, pewter grey, ash grey, peacock blue, bright green, gull green, MDF green, sand, signal yellow and orange. Other colour can be matched upon request.

SHELF LIFE

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

PACKING

Available in 30kg set, consisting of 10kg Part A, 5kg Part B and 15kg Part C. Alternatively, Part C can be replaced with quart sand 0.1 – 0.3mm.

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Disclaimer: Specification are subject to change without notification.

CLP since 1947
HQ/SINGAPORE: CLP INTERNATIONAL PTE LTD
CHIN LEONG CONSTRUCTION SYSTEMS PTE LTD
TEL : +66-2769 5633
FAX : +66-2769 5633
Email : chinleong@clp.com.sg

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

MALACCA
TEL : +60-6-263 1677
FAX : +60-6-263 1215

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
ZHONG SHAN
TEL : +62-21-2931 5121
FAX : +62-21-2931 5133 / 28
Email : info@clpindo.com

THAILAND:
CLPI (THAILAND) CO LTD
TEL : +66-2769 5612
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.tw

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