



# CL – EPOFLOR TC272SF

**SOLVENT FREE SELF-LEVELING 0.5 – 1MM EPOXY COATING**

## DESCRIPTION

**CL – EPOFLOR TC272SF** is a three-component solvent-free self-leveling epoxy thin coating, designed for single application of 0.5 – 1mm thickness. This low odour coating system is specially designed for floor where the installation of solvent-based material is unsuitable.

## FIXES

Suitable for food processing industries, laboratories, clean rooms, hospital, light duty manufacturing areas and the like.

## FEATURES

- Solvent-free and low odour
- Hygienic finish
- Easy to clean
- Dust free finish
- Good abrasion resistance
- Excellent resistant to most common chemicals

## TECHNICAL INFORMATION

Pot Life	: 25 min at 30°C
Light foot traffic	: 24 hr
Fully cure	: 7 day
Compressive Strength	: > 55 N/mm <sup>2</sup>
Pull Out Adhesion Strength	: > 1.5 N/mm <sup>2</sup> (concrete failure)
Abrasion Resistant (ASTM 4060:1995)	: < 0.15g wt loss @ 2kg load, 1000 cycles

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.

## SUBSTRATE MOVEMENT

All moving joints and cracks can be over coated with CL-EPOFLOR TC272SF. However, CL-EPOFLOR TC272SF may still reflect the cracks at the construction joints if there are substrate movements.

## SURFACE PREPARATION

Surface must be treated by shot blasting or scarification. Loose contaminant 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/m<sup>2</sup>. When using the latter primer, two coats may be necessary if the substrate is porous.

## MIXING

Add Part B (Hardener) into Part A bucket and mix with a slow speed drill and helical spinner mixer until the mix becomes uniform. Transfer the mix into a larger bucket and add Filler (Part C). Mix at low speed using helical spinner mixer until the mix is 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, squeegee or roller to the required thickness. Use spike roller to roll onto the installed coating to release any entrapped air and allowed it to cure.

## 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.
- Do not apply to substrates that make of asphalt, unmodified sand cement screeds, PVC tiles or tiles.
- If there is movement or cracking of the substrate after application, it will reflect the cracking at the topping. All expansion joints should be maintained in the topping.

## COVERAGE

1.5kg/m<sup>2</sup> @ 1mm thickness depending on the substrate condition.

## 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 25kg set, consisting of 10kg Part A, 5kg Part B and 10kg Part C.

Disclaimer: Specification are subject to change without notification.



CLP since 1947  
HQ/SINGAPORE: CLP INTERNATIONAL PTE LTD  
CHIN LEONG CONSTRUCTION SYSTEMS PTE LT  
TEL : +65-6265 2788  
FAX : +65-6265 1240  
Email : chinleong@clp.com.sg

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

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

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

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

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

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

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