



CL – EPOFLOR TC242SB

SOLVENT BASED EPOXY THIN COATING

DESCRIPTION

CL – EPOFLOR TC242SB is a 2-component solvent-based general purpose epoxy coating that can be incorporated with sand to provide anti-skid property as safety feature. When cured, it forms a gloss, impervious finish which is easily cleaned.

FIXES

Suitable for use as floor and wall coating where protection against chemical is required. Can be used on concrete, steel and timber substrates. Ideal for dry area in production, laboratories, packaging plants, light industrial and the like.

FEATURES

- Good adhesion properties
- Provides dust free surface that easy to clean
- Durable

TECHNICAL INFORMATION

Pot life	: 30 min @ 25°C
Recoat Time	: 12 - 24hr @ 25°C
Touch dry	: 6 hr @ 25°C
Light Foot Traffic	: 24 hr
Full Cure	: 7 day
Bonding Strength	: > 1.5 N/mm ² (concrete failure)
Abrasion resistance	: < 0.20g/1000 cycles
Temperature resistant (dry)	: 80°C
Thinner	: Thinner 438 or 434
Recommended dry film thickness	: 100 µm

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

Substrate to be coated must be sound, clean and free from any contaminant. Mechanical stone grinding should be carried out followed by thorough vacuuming. All damages and uneven surfaces of floor have to be repaired and leveled. Surface must be dry and free from rising damp, dust free open textured surface.

PRIMING

Prime the surface with solvent based primer CL-EPOFLOR P121SB at the rate of 0.25kg/m². TWO coats may be necessary if the substrate is porous.

MIXING

Add Part B (Hardener) into Part A (Resin) bucket and mix with mechanical mixer at low speed until homogenous and care to be taken in order not to entrap air. Thinner may be introduced before applying.

APPLICATION

Apply by using roller or spray method. For spray method, CL-Epoflor TC242SB can be diluted with 10 – 20% of Thinner 438 or 434.

For anti-skid requirement, broadcast with silica sand 80/100 mesh immediately after the first coat. Sweep off the excess loose sand when the first coat is dry. Followed by second or third coat.

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

6 m² / kg / coat, minimum 2 coats.

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 packing as below: -

Gloss finishing:

- 5kg set, consists of 4.0kg Part A and 1.0kg of Part B
- 20kg set, consists of 15.9kg Part A and 4.1kg Part B

Satin finishing:

- 5kg set, consists of 4.3kg Part A and 0.7kg of Part B
- 20kg set, consists of 17.2kg Part A and 2.8kg Part B

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Disclaimer: Specification are subject to change without notification.