



# CL – EPOFLOR P121SB

## SOLVENT BASED EPOXY PRIMER

### DESCRIPTION

**CL – EPOFLOR P121SB** is a two-component solvent-based epoxy primer. It is specially formulated in low viscosity for the installation of resin topping and coating system onto cementitious substrates. For less porous substrate, high viscosity CL-EPOFLOR P111SF may be considered to be used as the primer instead.

### FIXES

Can be used on mortar screed and concrete. For interior and exterior surfaces of floors, roofs prior to over coating with resin toppings.

### FEATURES

- Excellent adhesion to concrete
- Long open time
- Fast dry

### TECHNICAL INFORMATION

Pot Life	: 1 hr @ 30°C
Tack free Time	: 2 hr @ 30°C
Light foot traffic	: Approx. 8 hr @ 30°C
Light traffic	: Approx. 2 day @ 30°C
Full cure	: 7 day @ 30°C
Maximum over coating time	: 24 hr @ 30°C
Mixing Ratio	: 2 : 1 by volume

### SUBSTRATE CONDITION

The substrate must be dry to moisture content below 4%. The environment humidity must be below 75% RH. Substrate and ambient temperature shall be +10°C minimum and 30°C maximum. Old concrete must be checked for contamination like oil, sugars, fats etc that may cause changes to the concrete colour and surface texture. Always carry out a test by using a small flame gun over an area and note the effects e.g. vapour, smoke release, liquid migration to surface, change of colour etc. If there is oil contamination, it can be observed visually as the oil will quickly migrate to the surface as liquid droplets. Where there is any doubt on the contamination on the concrete, it is recommended that a core sample of 50mm from the top of concrete to be taken for proper evaluation.

### SURFACE PREPARATION

Fully enclosed shot blasting or scarifying should be applied in order to remove cement laitance and to achieve open textured surface. Thereafter, followed by vacuuming. Acid etching or wire brushing is not recommended. All residues must be removed to provide a dry, dust free, open textured surface. The substrate must be free from rising damp and have sufficient strength to support resin or coating topping loads. For cracks, voids, chipped edges, uneven surfaces and holes, repair with CL-Rapid Repair. Fresh concrete must be cured for at least 21 days prior to application.

### MIXING

Mix Part A and Part B in the ratio of 2:1. Pour Part B into Part A container and stir the mixture using low speed industrial hand drill and helical spinner. DO NOT mix by hand. No thinning is required.

### APPLICATION

Immediately after mixing, apply CL-EPOFLOR P121SB by medium pile roller and/or squeegee. For porous substrates, apply TWO coats. Allow the first coat to cure overnight before applying the second coat.

### FINISHING

Topcoat or resin topping should be applied within 24 hours of priming. Coatings and self-smoothing toppings should be applied when primer is tack free.

### PRECAUTION MEASURES

- Do not apply if the floor temperature falls below 10°C.
- Temperature should not fall below 5°C during the first 24 hrs after application.

### COVERAGE

Approximately 4 – 5m<sup>2</sup> per litre or 0.2 – 0.25 litre per m<sup>2</sup> depending on substrate porosity, surface texture and temperature of substrate.

### COLOUR

Natural amber colour

### SHELF LIFE

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

### PACKING

Available in 2 types of packing as below: -

- 15 litre set:
  - Part A : 10 litre
  - Part B : 5 litre
- 30 litre set:
  - Part A : 20 litre
  - Part B : 10 litre

122014

Disclaimer: Specification are subject to change without notification.



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