

# CIKOPOXY PRIM 14



## Solvent Free Epoxy Resin based primer

### Description

CIKOpoxy Prim14 is a solvent free two component epoxy resin based primer recommended for concrete and masonry substrate. It provides excellent adhesion to substrate like concrete, wood, screed, natural stones and other porous substrates.

CIKOpoxy Prim14 is a low viscosity preconditioning primer which stabilizes the concrete substrate and isolates subsequent coating from the alkalinity of the concrete which assists the degradation of top coats.

### Properties

- Two component epoxy based system.
- Provides excellent adhesion to many substrates.
- Exhibits good impact and abrasion resistance.
- Provides extremely good bonding to top coats.
- Exhibits very good sealing properties.

### Application area

- As a primer and sealing coat for the range of CIKO floor coatings and topping systems.
- Can be mixed with suitable fillers to repair patches.
- Silica aggregate CIKO ASG can be broadcasted over wet coat to create a mechanical key for anti-slip floor coating.

### Physical properties @ 25 °C

Form	Two components system Part A & B : Liquid
Colour	Light yellow to pale brownish
Mixing ratio (A:B)	100:36 (by weight)
Solid content (weight)	99-100 %
Finish	Glossy
Flash Point	Above 60 °C
Pot life	40-60 minutes
Tack free	8 hours
Over coating time	12 to 24 hours
Pull off Bond strength to concrete ASTM D7234 @ 7 days	≥2 MPa (Concrete Failure)
VOC(USEPA-24)	<20g/l

### Coverage

CIKOpoxy Prim 14 will provide a theoretical coverage of 5.0 m<sup>2</sup> per litre at 200 microns dry film thickness.

Note: The coverage depends on the floor condition and finish. It is recommended to apply CIKOpoxy Prim 14 at thicknesses of minimum 100 microns DFT up to 300 microns DFT. Consult CIKO technical service department for assistance and further support.

### Application instructions

#### Surface preparation

The concrete surface should be free from dust and loose particles. All contamination such as oil, grease and extraneous spillages has to be cleaned using the suitable cleaning agent. Concrete shall be grinded using rough diamond disk, grit blasted or treated with equivalent and suitable mechanical means prior to the application of the primer. All contamination should be treated well before application of CIKOpoxy Prim14.

### Mixing

The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim14 should be mixed thoroughly using a heavy duty, slow speed drill paddle assembly for minimum three minutes and ensure a homogenous mixture is obtained.

### Application

Properly mixed material should be applied using brush or high quality epoxy roller over the dry and clean surface at the rate of 0.1 L/m<sup>2</sup> up to 0.3 L/m<sup>2</sup>.

For anti-slip floor, CIKO ASG should be lightly and uniformly broadcasted over the wet coat. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions and prior application of further coats.

### Precautions

Prior application of primer, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 45°C.
- Substrate temperature is between 10 – 35°C and at least 3°C above dew point temperature.
- Relative humidity is below 75%.

### Packaging

CIKOpoxy Prim14 is available in 4.0 litre and 15.0 litre kits consisting of Part-A & B.

### Shelf life

CIKOpoxy Prim14 has a shelf life of 12 months if stored in accordance with CIKO instructions.

### Storage

CIKOpoxy Prim14 should be stored under enclosed shaded area at temperatures between 5 – 35°C.

### Health & safety

CIKOpoxy Prim14 should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush

with plenty of fresh water and seek medical advice. Refer Material Safety Data Sheet for further details.

### Technical Support

*For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.*

### More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control

