

CIKOPOXY PRIM 14

Solvent free based epoxy 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 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 coat for the range of CIKO floor coatings and topping systems.
- Can be mixed with suitable fillers to repair patches.
- CIKOquartz can be broadcasted over wet coat to create a mechanical key for anti-slip floor coating.

Physical properties

Form	Two component system Part A & B : Liquid
Colour	Clear to pale brownish
Mixing ratio	Pre-weighed packs
Solids %	100

Finish	Clear gloss
Flash Point	Above 60 °C
Pot life @ 25 °C	≥60 minutes
Surface dry	4-6 hours
Tack free	8 hours
Pull off strength	>2 MPa
Compressive Strength ASTM C109	>70 MPa
VOC	<10g/l

Coverage

CIKOpoxy Prim14 will provide coverage of 5.0m² per litre at 200 microns dry film thickness.

Note : The coverage depends on the floor condition and finish. Consult our technical service department for assistance.

Application instructions

Surface preparation

The concrete surface should be free from dust and loose particles. 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 three to five minutes and ensure a homogenous mix is obtained.

Application

Properly mixed material should be applied using brush or roller over the dry and clean surface at the rate of 5.0 m²/ltr or 4.0 m²/ltr for anti-slip floor.

For anti-slip floor, CIKOquartz 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^oC.
- Substrate temperature is between 10 – 35^oC.
- Relative humidity is below 75%.

Packaging

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

Shelf life

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

Storage

CIKOpoxxy Prim14 should be stored under enclosed shaded area at temperatures between 5 – 35^oC.

Health & safety

CIKOpoxxy 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