

CIKOpoxy Prim WB

Two component waterborne epoxy based primer

Description

CIKOpoxy Prim WB two component epoxy water based primer and moisture barrier recommended for concrete and masonry substrate where there is risk of rising humidity. It provides excellent adhesion to substrate like concrete, wood and other porous and non-porous substrates.

CIKOpoxy Prim WB 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 waterborne epoxy based system.
- Provides excellent adhesion to many substrates, such as concrete, aluminium, glass and galvanized steel.
- Exhibits good impact and abrasion resistance.
- Provides extremely good bonding to top coats.
- Exhibits very good sealing properties.
- Moisture tolerant.
- Exhibits low odour, non-flammable
- Water based with very low VOC.

Application area

- As a primer coat for the range of CIKO floor coatings and topping systems.
- Moisture barrier in damp areas and rising humidity substrates.
- CIKO ASG 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	Milky white
Mixing ratio	Pre-weighed packs
Solids by volume	55±2 %
Finish	Clear or light grey
Flash Point	Above 60 °C
Pot life @ 25 °C	90-120 minutes
Pull off Bond Strength	>2 MPa
Density (g/cm ³)	1.05±0.05
VOC	<5g/l

Coverage

CIKOpoxy Prim WB will provide coverage 10 m²/L at 100µ wet 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 Prim WB.

Mixing

The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim WB 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 clean surface at the rate of 0.3 L/m² over horizontal surfaces and 0.2 L/m² over vertical surfaces. In case of high porosity and absorption in substrate, apply a second coat at the same rate of consumption.

For anti-slip floor, apply CIKOpoxy Prim WB at a rate of 0.4 L/m² application then CIKO ASG should be lightly and uniformly broadcasted over the wet coat. The coated surface should be left for 24 hours curing, Depending on the prevailing ambient conditions and prior application of further coats.

Precautions

Prior application of primer, ensure that

- Ambient temperature is between 10 – 40°C.
- Substrate temperature is between 10 – 35°C.

Packaging

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

Shelf life

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

Storage

CIKOpoxy Prim WB should be stored under enclosed shaded area at temperatures between 5 – 25°C.

Health & safety

CIKOpoxy Prim WB 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