

CIKOPoxy Prim S

Solvent Based Epoxy Resin Sealer and Primer

Description

CIKOPoxy Prim S is a solvent based two component epoxy primer and sealer recommended for concrete and masonry substrates.

CIKOPoxy Prim S is a low viscosity preconditioning sealer which penetrates and stabilizes the concrete substrate and isolates subsequent coating from the alkalinity of the concrete which assists the degradation of top coats. CIKOPoxy Prim S forms a sealing layer when cured if applied as primer or top seal coat over flooring systems.

Properties

- Provides excellent adhesion and sealing properties to various types of substrates when applied as a primer, sealer or topcoat.
- Glossy and Matt finish

Application area

- As a primer coat for the range of CIKO floor coatings and topping systems.
- As a seal top coat of CIKO wide range of flooring systems.

Physical properties

Form	Two component system Part A & B : Liquid
Colour	Clear
Mixing ratio	Pre-weighed packs
Solids weight %	53±2
Finish	Clear gloss
Flash Point	Above 60 °C
Pot life @ 25 °C	≥3 hours
Surface dry @ 25°C	60 to 90 minutes
Pull off Bond Strength ASTM D 7234-12	>1.5 MPa (concrete) >2.5 MPa (Epoxy)

Coverage

CIKOPoxy Prim S will provide coverage of 10 m² per litre at 100 microns 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 such as oil, grease and extraneous spillages has to be cleaned using the suitable cleaning agent. Concrete shall be grinded, grit blasted or treated with equivalent and suitable mechanical means prior to the application of the sealer.

When applied as a top coat over epoxy based floors, make sure the previous coating is free of dust, loose particles or any other type of contamination. All traces of oil, grease or any other petroleum product, must be treated with the suitable solvent or cleaning agent.

Mixing

The base [Part-A] and hardener [Part-B] components of CIKOPoxy Prim S 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. Avoid over mixing to prevent the entrapment of air in the mixed material.

Application

Properly mixed material should be applied using brush, roller or sprayer over the dry, clean and dust free surface at a consumption rate of 0.1 L/m² when applied as a primer and as a top coat. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions preventing any type of dust accumulation.

If case the substrate was noticed to be highly porous or in case of applying CIKOPoxy Prim S as a top seal coat, re-apply a second coat at a rate of 0.1 L/m² assuring the previous coat is free of dust or any other contaminations prior to the application.

It is recommended to use airless spray machine or air spray machine for higher productivity and full coverage.

Precautions

Prior application of primer & Sealer, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10°C and 45°C.
- Substrate temperature is between 10 – 35°C and at least 3°C above dew point temperature.
- Relative humidity is below 75%.
- Do not expose the Material to high heat or open flame.

Packaging

CIKOPoxy Prim S is available in 15.0 litre kits consisting of Part-A and Part-B.

Shelf life

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

Storage

CIKOPoxy Prim S should be stored under enclosed shaded area at temperatures between 5 – 35°C.

Health & safety

CIKOPoxy Prim S 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