

# CIKOPrimer PU

## One Component Polyurethane Based Primer and Sealer

### Description

CIKOPrimer PU is a one component polyurethane based primer recommended for concrete and masonry substrate. It provides excellent adhesion to substrate like concrete, wood and other porous substrates.

CIKOPrimer PU is a low viscosity preconditioning primer that stabilizes the concrete substrate and isolates subsequent coating from the alkalinity of the concrete that assists the degradation of top coats.

### Properties

- One component no mixing is required.
- Moisture cured
- Provides excellent adhesion to many substrates.
- Exhibits good impact and abrasion resistance.
- Excellent resistance to water, organic chemicals, solvents and alkalis.
- Excellent flexibility in service.
- Provides extremely good bonding to top coats.
- Weather resistance
- Can be used for dust proofing concrete floors.
- Exhibits very good sealing properties.
- Easy to apply with standards equipment.

### Application area

- A primer coat for the range of CIKO polyurethane floor coatings, topping and joint sealant systems.
- CIKO ASG can be broadcasted over wet coat to create a mechanical key for anti-slip floor coating.
- As a sealer on polyurethane mortars
- As a dust proofing for concrete floors.
- As a primer for polyurethane based waterproofing membranes.

### Physical properties

Form	One component Liquid system
Colour	Clear to brownish
Specific gravity	1 ± 0.05
Surface touch dry @ 25°C	Within 4 hours
Viscosity	300-400cps
Pull off Bond Strength to Concrete ASTM D7234	>1.5 Mpa

### Coverage

CIKOPrimer PU will provide coverage of 10 m<sup>2</sup> 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 should be treated well before application of CIKOPrimer PU.

#### Application

CIKOPrimer PU should be applied using brush or roller over the dry and clean surface at a rate of consumption between 0.15 to 0.2 L/m<sup>2</sup>. Protect the applied surface to for at least 6 to 12 hours prior proceeding with subsequent coatings.

In case of high porosity and absorption of substrate, reapply a second coat at the rate of 0.1 L/m<sup>2</sup> to assure proper sealing.

#### Clean up

Tools should be cleaned using CIKOsol. Do not allow the coating to harden on equipment.

## Precautions

Prior application of primer, ensure that

- The moisture content of the substrate is less than 4%.
- The ambient temperature is between 10 – 40°C.
- The substrate temperature is between 10 – 35°C.
- The relative humidity is below 75%.

## Packaging

CIKOprimer PU is available in 1L, 5L and 15L pails.

## Shelf life

CIKOprimer PU has a shelf life of 12 months if stored in accordance with CIKO instructions.

## Storage

CIKOprimer PU should be stored under enclosed cold and dry shaded area at temperatures between 5 – 25°C.

## Health & safety

CIKOprimer PU 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 further 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