

# CIKOshield PU

## Aliphatic Polyurethane Based Clear Topcoat

### Description

CIKOshield PU is an aliphatic, two component clear coat finish provides excellent chemical and abrasion resistance, recommended for terrazzo, natural stones and stamp concrete. It provides excellent resistance to ultraviolet rays.

It possesses high tensile strength and excellent balance of elongation and hardness, resulting in long term wears and impact resistance.

### Properties

- Hard finish with excellent impact and abrasion resistance
- Resistance to UV rays.
- Provides tough topcoat
- Exhibits good impact and abrasion resistance.
- Exhibits balanced tensile strength, elongation and hardness

### Application area

It CIKOshield PU is suitable to use on floors, terrazzo, natural stones and stamp concrete.

CIKOshield PU is suitable to be used as

- Top coat for CIKO deck coatings system
- Interior and exterior applications
- Utility services elements in commercial buildings
- Topcoat for exposed car decks in multi storey car parks
- Residential garage and basement areas
- Walkways and loading bays.

### Physical properties

Form	Two component system Part-A : Liquid Part-B : Liquid
Solids	40%
Mixed density	0.96 gm/cm <sup>3</sup>
Mixing ratio	Pre-weighed packs
Finish	Glossy
Pot life at 25 °C	4-5 hours
Surface dry	Approximately 30 minutes

Tack free	60-90 minutes
Thorough dry	16 hours
Flash points	27 °C
Dry heat resistance	100-125 °C

### Coverage

CIKOshield PU will provide coverage of 8m<sup>2</sup>/liter at 50microns 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 surface should be free from dust and loose particles. Any traces of oil or grease on the surface shall be cleaned by acid etching and flushed with plenty of clean water.

#### Mixing

The base component [Part-A] of CIKOshield PU should be mixed thoroughly. The hardener component [Part-B] should be poured into the base component and mixed well until a homogenous mix is obtained.

#### Application Method

Apply CIKOshield PU by brush, roller or spray at the rate of 8 m<sup>2</sup> per litre and allow it to dry. Second coat shall be applied after the first coat becomes tack free.

#### Spray Method:

*Pressure pot equipped with dual regulators, 3/8" I.D, minimum material hose, 0.043"ID.Fluid tip and appropriate air cap .*

#### Brush Method:

*Use a medium, natural bristle brush and avoid excessive re-brushing.*

#### Roller Method:

*Use a 1/2" nap roller with solvent resistant core and avoid excessive rerolling*

### Packaging

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

### Shelf life

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

### Storage

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

### Precautions

Prior to application of CIKOshield PU ensure that:

- Moisture content of the substrate is less than 4%
- Ambient temperature is between 10 and 45 °C
- Substrate temperature is between 10 and 45 °C
- Relative humidity is below 75%

### Health & safety

CIKOshield 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 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