

# CIKOshield PUW

## Polyurethane Water Based Clear Sealer

### Description

CIKOshield PUW is two components aliphatic polyurethane clear coat finish that provides excellent chemical and abrasion resistance, recommended for terrazzo, natural stones, stamp concrete, epoxy and polyurethane floor coating. It provides good anti slip and sealing properties.

CIKOshield PUW provides a matt and glossy finish that protects floors from spillages and impacts.

### Properties

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

### Application area

CIKOshield PUW is suitable to use on floors, terrazzo, natural stones and stamp concrete, wood parquet, concrete screeds and vinyl flooring.

CIKOshield PUW 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 car decks in multi storey car parks
- Sealer and anti-slip coat for stamp concrete and concrete pavements.
- Residential garage and basement areas
- Walkways and loading bays.

### Physical properties

Form	Two component system Part-A : Liquid Part-B : Liquid
Mixed density	1.07-1.08
Mixing ratio	Pre-weighed packs
Finish	Matt and glossy finish

Pot life at 25 °C	30-40 mins
Surface dry	12-18 hours
Total cure	7 days
Chemical resistance	Resistant to occational spillage of strong acids and alkali based chemicals
Temperature resistance	Withstands temperatures up to 80 °C
Abrasion resistance BS EN 1341	<20mm
Slip resistance BS EN 14231	Mean USRV 118

### Coverage

CIKOshield PUW will provide coverage of 5m<sup>2</sup>/L at 100 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 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. Wooden surfaces should be sanded down prior to application to remove any contamination and provide a key for adhesion.

#### Mixing

The base component [Part-A] of CIKOshield PUW 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 PUW by brush, roller or spray at the rate of 0.2 L/ m<sup>2</sup> and allow it to dry. Second coat is not always required but it might be necessary as a final sealer and anti-slip profile shall be applied after the first coat application by at least 12 to 18 hours.

#### 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 and avoid excessive rerolling

**Packaging**

CIKOshield PUW is available in 7.5 kg kits consisting of Part-A & B.

**Shelf life**

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

**Storage**

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

**Precautions**

Prior to application of CIKOshield PUW ensure that:

- Ambient temperature is between 15 °C and 45 °C
- Substrate temperature is between 10 °C and 45 °C
- Relative humidity is below 75%

**Health & safety**

CIKOshield PUW 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