

# CIKOpoxy SC

## Three-component, high-build solvent free epoxy surface sealer and scratch coat

### Description

CIKOpoxy SC is a three parts, multipurpose solvent free epoxy primer, surface sealer, mortar screed and scratch coat.

### Properties

- Three component multipurpose epoxy based system.
- Easy to apply
- Exhibits good wear and abrasion resistance.
- Highly fillable
- Seamless and easy to clean and maintain hygienic floor.
- Resistance to wide range of chemicals.
- Can withstand dynamic and static heavy loads.

### Application area

CIKOpoxy SC is used for the sealing and filling concrete surfaces. It is suitable to use both in industrial and commercial segments such as,

- Hospitals and laboratories.
- Warehouse floors
- Beverages and food storage areas.
- Workshop, garages and loading ramps.
- Dairies and chemical plants.
- Walkways and loading bays
- Production and storage areas.
- Can be mixed with sand to the desired consistency to create epoxy mortars and scratch coat layer
- Priming of substrate to receive impervious coatings.

### Physical properties

Form	3 component system Part-A & B : Liquid Part C: Solid
Mixing ratio	Pre-weighed packs
Pot life @ 25 °C	60 minutes
Foot traffic	After 24 hours
Compressive strength ASTM C578	>60 N/mm <sup>2</sup>
Flexural Strength	>25 N / mm <sup>2</sup>
Tensile Strength	>12 N / mm <sup>2</sup>
Water Penetration BS EN 12390	NIL
Bond strength	>2Mpa
Solid content	100%

### Chemical resistance

CIKOpoxy SC is resistant to a wide range of chemicals. Specific data is available on request. Resistance to spillage includes,

- Diluted acids
  - Sulphuric acid
  - Hydrochloric acid
  - Acetic acid
  - Lactic acid
- Diluted alkalis
  - Sodium hydroxide
  - Ammonia solution
- Toluene
- Petrol
- Kerosene
- Hydraulic oil
- Vegetable oils
- Used sump oil
- Sodium chloride

## Coverage

CIKOpoxy SC will provide coverage depending on the required application:

- As a primer: 0.3-0.6 kg/m<sup>2</sup>  
Note: it depends on the surface texture and porosity.
- As a scratch coat and high build epoxy screed: the coverage depends on the required consistency achieved by adding the filler.

## Application instructions

### Surface preparation

The concrete surface should be free from dust and loose particles. All contamination should be treated well before application of primer.

### Priming/Sealer (without adding Part C)

The base [Part-A] and hardener [Part-B] components 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.

Properly mixed material should be applied using brush or roller over the dry and clean. Allow to dry for 12 -24 hours depending on the prevailing ambient conditions.

### Scratch coat/mortar screed

The base component [Part-A] of CIKOpoxy SC should be mixed thoroughly using a heavy duty slow speed drill-paddle assembly for two minutes and ensure that a homogenous mix with uniform colour is obtained. Transfer the mixed base component [Part-A] completely to a suitable container that can hold a volume of minimum 20 lts.

Pour the hardener component [Part-B] into the mixed base component [Part-A] and mix well to homogeneity. Add the component [Part-C] to the properly mixed Part-A & Part-B and mix well to obtain a homogenous mass.

Properly mixed materials should be spread over the dry and clean primed surface using a notched trowel maintaining the required thickness. Immediately spike the applied surface using spike rollers to release entrapped air in the material to obtain a uniform, smooth and even finish. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions.

## Precautions

Prior application of primer and CIKOpoxy SC, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 45°C.
- Substrate temperature is between 10 – 35°C.
- Relative humidity is below 75%.

## Packaging

CIKOpoxy SC is available in 24kg and 260kg kit. For larger pack consult CIKO team.

## Shelf life

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

## Storage

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

## Health & safety

CIKOpoxy SC should not come in contact with the eyes. It should not also 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.*

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- Flooring and toppings
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- Concrete repair materials
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- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries