

# CIKOpoxy FL70

## Solvent based epoxy floor coating

### Description

CIKOpoxy FL70 is a solvent based two component epoxy floor coating system recommended for concrete and other suitable substrates. It provides excellent adhesion to substrate such as concrete, wood, steel etc.

CIKOpoxy FL70 is an epoxy resin based floor coating that provides seamless, dustproof, smooth and hygienic floor.

### Properties

- Two component epoxy based system.
- Easy to clean and low maintenance cost.
- Easy maintenance and good resistance to most chemicals and solvents.
- Exhibits good wear and abrasion resistance.
- Provides durable floor.
- Available in a wide range of light reflective colours to provide a brighter work area.

### Application area

CIKOpoxy FL70 as floor coating is suitable to use in both industrial and commercial segments such as

- Showrooms and workshops.
- Warehouse floors and food storage areas.
- Utility services building floors.
- Walkways and loading bays.
- Production and storage area.

### Physical properties

Form	Two component system Part-A : Liquid Part-B : Liquid
Colour	Standard colours
Solids	70±5 %
Mixing ratio	Pre weighed packs
Pot life @ 25 °C	>60 minutes
Surface dry	3-4 hours
Tack free	8 hours
Allowable foot traffic	24 hours

### Chemical resistance

CIKOpoxy FL70 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 FL70 will provide coverage of 10 m<sup>2</sup> per litre @ 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 well treated before application of CIKOpoxy FL70.

#### Priming

Usually priming is not required, unless CIKOpoxy FL70 is to be applied over bare concrete or over highly porous substrates.

Priming is recommended if CIKOpoxy FL70 is to be applied over bare concrete or over highly porous substrates. CIKOpoxy Prim 25 or CIKOpoxy Prim S, a two component epoxy based primer shall be used for priming the substrate. The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim S or 25 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.

Application of primer should be carried out as per the respective technical data sheet. Allow the primer to dry for 12 -24 hours depending on the prevailing ambient conditions.

#### Application of CIKOpoxyl FL70

The base component [Part-A] of CIKOpoxyl FL70 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.

Pour the hardener component [Part-B] into the mixed base component [Part-A] and mix well to homogeneity.

Properly mixed material should be applied using brush or roller over the dry and clean primed surface maintaining, the required thickness. The coated surface should be left for 12 – 24 hours curing depending on the prevailing ambient conditions.

It is always recommended to apply CIKOpoxyl FL70 in two coats to obtain a uniform, smooth and even finish.

#### Precautions

Prior application of primer and coating, ensure that

- The moisture content of the substrate is less than 4%.
- The ambient temperature is between 10 – 45°C.
- The substrate temperature is between 10 – 35°C and at least 3°C above dew point temperature.
- The relative humidity is below 75%.

#### Packaging

CIKOpoxyl FL70 is available in 4 & 15 litre packs consisting of Part-A & B.

CIKOpoxyl Prim S is available in 15 litre packs consisting of Part-A & B.

CIKOpoxyl Prim 25 is available in 15 litre packs consisting of Part-A & B.

#### Shelf life

CIKOpoxyl FL70 has a shelf life of 12 months if stored in accordance with CIKO instructions.

#### Storage

CIKOpoxyl FL70 should be stored under enclosed shaded area at temperatures between 5 – 35°C.

#### Health & safety

CIKOpoxyl FL70 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