

# CIKOpoxy SLS

## Epoxy resin based skim coat flooring system

### Description

CIKOpoxy SLS is an epoxy based three component floor repair system used as an intermediate/skim coat to reduce floor imperfections in floor coating systems.

CIKOpoxy SLS is based on epoxy, cured with a special grade of hardener and reinforced with graded fillers. It offers a seamless and strong floor base of thickness between 0.5 to 2.0 mm that is ready to receive topcoats.

### Properties

- Three component epoxy based system.
- Easy to apply.
- Exhibits good wear and abrasion resistance.
- Seamless and will considerably reduce floor imperfections.
- Resistance to general chemicals.
- Provides a smooth and even durable floor.

### Application area

CIKOpoxy SLS as an intermediate floor system is suitable to use both in industrial and commercial segments such as,

- Hospitals and laboratories.
- Warehouse floors and food storage areas.
- Utility services building floors.
- Pharmaceutical industries.
- Light engineering work shops
- Walkways and loading bays
- Production and storage areas.

### Physical properties

Form	3 component system Part-A & B : Liquid Part-C : Powder
Colour	Standard colours
Mixing ratio	Pre-weighed packs
Pot life @ 25 °C	30-40 minutes
Surface dry	3-4 hours
Tack free	Approx. 8 hours
Full cure	7 days
Compressive strength ASTM C579	>60 N / mm <sup>2</sup>

### Chemical resistance

CIKOpoxy SLS is resistant to a wide range of chemicals. Specific data is available on request. Resistance to occasional 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 SLS will provide coverage of 12.5m<sup>2</sup> per pack of 21 kg at 1 mm dry film thickness.

Note : The coverage depends on the floor condition and finish. Consult CIKO 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 primer.

### Application

#### Priming:

CIKOpoxy Prim11, a two component epoxy based primer shall be used for priming the substrate. The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim11 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 skim coat

The base component [Part-A] of CIKOpoxy SLS 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 powder 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. The coated surface should be left for 12 – 24 hours curing, depending on the prevailing ambient conditions.

### Precautions

Prior application of primer and CIKOpoxy SLS, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 45<sup>0</sup>C.
- Substrate temperature is between 10 – 35<sup>0</sup>C.
- Relative humidity is below 75%.

### Packaging

CIKOpoxy SLS is available in 21 kg packs consisting of Part-A, B & C.

### Shelf life

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

### Storage

CIKOpoxy SLS should be stored under enclosed shaded area at temperatures between 5 – 35<sup>0</sup>C.

### Health & safety

CIKOpoxy SLS should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear f 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

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



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