

CIKOpoxy SLC

Smart Chemical Solutions



سيكو الشرق الأوسط
MIDDLE EAST

Crystal Clear Epoxy based, self-levelling topping & casting system

Description

CIKOpoxy SLC is a crystal clear self-levelling, two component epoxy based topping and bedding system recommended for concrete, metallic and wooden substrates.

CIKOpoxy SLC is based on liquid epoxy resin cured with special grade of hardener. It offers a seamless topping and bedding system to a thickness of 1- 20 mm and provides a smooth and transparent finish with excellent chemical abrasion and impact resistance.

Properties

- Flowable consistency for self-levelling application.
- Pre-weight two component epoxy based system.
- Ease of application.
- Exhibits good wear and abrasion resistance
- Seamless and clear finish; easy to clean and maintain.
- Resistance to general chemicals.
- Excellent durability and impact resistance.

Application area

CIKOpoxy SLC as topping and bedding system is suitable to use both in industrial and commercial and artistic segments such as,

- Hospitals and laboratories.
- Warehouse floors and food storage areas.
- Bedding system for indoor epoxy
- Utility services building floors.
- Pharmaceutical industries.
- Light engineering work shops.
- Walkways and loading bays.
- Production and storage areas.
- Artistic flooring and handcrafts.

Physical properties

Form	2 component system Part-A & B: Liquid
Colour	Crystal clear
Mixing ratio	Pre weighed packs
Pot life @ 25 °C	60-90 minutes
Foot Traffic time	24 to 36 hours
Tack free @ 25°C	18 hours
Compressive Strength ASTM D695 @ 7 Days	≥60 N/mm ²
VOC	<50g/L

Chemical resistance

CIKOpoxy SLC is resistant to a wide range of chemicals. Specific data is available on request.

Coverage

CIKOpoxy SLC will provide coverage of 5m² per pack of 5 litres at 1mm film thickness.

Note: The coverage depends on the bed condition and finish. Consult CIKO technical service department for assistance.

Application instructions

Surface preparation (topping over epoxies)

The substrate should be free from dust, moisture and loose particles. All contamination should be treated well before application of CIKOpoxy SLC. If the base coat or flooring system is aged more than 7 days the surface shall be slightly abraded using sand papered to create a rough key rough bond.

Priming of concrete substrate

For porous substrates priming is recommended. CIKOpoxy Prim11 or 14, 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 or 14 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

The base component [Part-A] of CIKOpoxyl SLC 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 at low speed preventing air entrapment. Allow the mixed material rest for 5 to 10 minutes prior to pouring.

Properly mixed materials should be spread over the clean dry surface primed surface or coated using a notched trowel maintaining the required thickness. Immediately spike the applied surface using spike rollers in both directions to release entrapped air in the material to obtain a uniform, smooth and even finish. Spike rolling can be done for up to 45 minutes after mixing. The applied surface should be left for 24 to 48 hours curing, depending on the prevailing ambient conditions. Full properties of the material is achieved after 7 days,

When CIKOpoxyl SLC isto be applied in moulds for handcrafts purposes, Apply CIKOleas over the mould surfaces as per its respective technical data sheet and pour the material from one side maintaining a pouring head not greater than 10 cm to prevent air entrainment, the applied material can be disturbed with the suitable tools to release the deeply entrapped air if present.

Precautions

Prior application of primer and CIKOpoxyl SLC, 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 and at least 3°C above dew point temperature.
- Relative humidity is below 75%.

Packaging

CIKOpoxyl SLC is available in 5 litres kit consisting of Part-A & B.

Shelf life

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

Storage

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

Health & Safety

CIKOpoxyl SLC 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

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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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