

CIKOPOXY TABLETOP



Crystal Clear Epoxy Resin for Table Tops

Description

CIKOpoxy TableTop is two components clear casting epoxy resin product designed to be a finishing layer for table tops, counters, artistic works, handcrafts suitable to be applied at thicknesses up to 6 mm in a single pour.

CIKOpoxy TableTop can be tinted with metallic pigments and universal pigments.

CIKOpoxy TableTop is based on clear liquid epoxy resin cured with high quality special grade of hardener. The cured product offers a seamless, transparent and smooth finish exhibiting excellent chemical and stain resistance.

Properties & Advantages

- Crystal clear having a glossy finish
- High flowable allowing self-levelling and smoothing
- High resistance to general chemicals and cleaning reagents.
- Easy to clean and maintain
- Very low to NIL water absorption resulting in high durability
- Low and delayed tendency of yellowing comparing to general clear epoxies
- 100% solids having a Low VOC
- Compatible with most types of substrates
- High reduction in microbial and bacterial growth activity

Application Area & Uses

CIKOpoxy Tabletop is suitable for artistic and decoration segments such as, but not limited to:

- Decorative tables, furniture & appliances.
- Bench tops, tabletops, counter tops, etc.
- Artistic handcrafts items
- Overlay epoxy, polyurethane and powder coatings in addition to natural stones, mosaics, granites and marbles.

Physical properties

Form	2 components system Part-A & B: Liquid
Cured Colour	Crystal Clear
Mixing ratio	100:59 by weight
Working time and Pot life	30-45 mins @ 25 °C 15-25 mins @ 35 °C
Initial Curing	24 hours
Final Cure	7 days
Recommended casting thickness	1mm up to 6mm

Chemical Resistance

CIKOpoxy TableTop is resistant to a wide range of chemicals, soap solutions, mild cleaning agents, mild natural acids. Specific data is available upon request.

Coverage

CIKOpoxy TableTop provides coverage of 1 m² per 1 litre at 1 mm DFT.

Note: The coverage depends on the condition of the substrate and wastage.

Consult CIKO technical service department for assistance.

Application Instructions

Surface preparation

The substrate should be free from dust, moisture and loose particles that might prevent proper adhesion. All contamination should be treated well before application of CIKOpoxy TableTop. If the substrate contains any types of contamination such as but not limited to oil, grease or sanding debris, wipe the surface using a cotton shirt rag soaked in solvent such as alcohol or acetone prior casting CIKOpoxy TableTop.

Priming and sealing of substrate

For porous substrates such as wood, sealing is recommended. CIKOpoxy TableTop shall be used to seal and prime the surface prior applying the finishing layer.

Pour the hardener component [Part-B] into the base component [Part-A] and mix well at low speed using drill paddle assembly for 2 to 3 minutes to achieve a homogeneous mixture.

The properly mixed materials shall be applied using a brush or roller over the properly cleaned and treated surface at a consumption rate ranging between 0.1 L/m² and 0.2 L/m² depending on surface absorption. Allow the prime coat to cure for 12 hours up to 24 hours depending on prevailing ambient temperatures. The seal coat minimizes the effect of degassing by creating air-tight barrier between the porous wood and the CIKOpoxy TableTop so that the barrier prevents aesthetic and cosmetic defect.

Mixing

Ensure that the prime coat is sufficiently dry. Pour the hardener component [Part-B] into the base component [Part-A] and mix well at low speed using drill paddle assembly for 2 to 3 minutes to achieve homogeneity. Do not over mix to prevent air entrapment. Do not mix more than a single kit at the same time to prevent heat generation. The appropriate ambient temperature during mixing shall be between 20°C and 35°C.

When metallic or universal pigments are to be added, it is recommended to add it gradually on the properly mixed material and continue mixing for an additional 2 to 3 minutes until homogeneous mix and proper distribution of pigments is achieved.

Allow the mixed materials to rest for 2 to 3 minutes prior to pouring, meanwhile release the air bubbles generated at the pail surface by passing a torch flame at a minimum distance of 5 cm.

Pouring and Casting

Properly mixed materials should be poured over the clean, dry and sealed surface or coated surface at the recommended layer thickness from one side maintaining a pouring head not greater than 10 cm to prevent air entrainment. A continuous flow of material over the surface helps in releasing deeply entrained air bubbles. Pass slightly and continuously, within the working time of the material, a heat gun/torch over the surface until no air bubbles are present. Reinspect the applied surface within the initial 30 minutes post pouring to ensure no late generation of bubbles.

The applied surface should be left for at least 24 hours curing, depending on the prevailing ambient conditions away from dust, water flow, high temperatures, water condensate or any type of contamination that might affect the finish. The full properties of the material are achieved upon full cure when aged almost 7 days.

Precautions & Recommendations

Prior and during the application CIKOpoxy TableTop, ensure that

- Moisture content of the substrate is less than 4%.
- Ambient temperature is between 10 – 35°C.
- Substrate temperature is between 10 – 30°C and at least 3°C above dew point temperature.
- Relative humidity is below 75%.
- The placed thickness does not exceed 6 mm; for higher thicknesses use CIKOpoxy Clear Cast.
- the laid material is covered and protected for at least 18 up to 24 hours to prevent deposits over the uncured surface.

Packaging

CIKOpoxy Tabletop is available in 1 L and 2 L kits consisting of parts A and B.

Storage

CIKOpoxy Tabletop should be stored under enclosed area at temperatures between 5 – 30°C and away from direct sunlight, moisture and water.

Shelf life

CIKOpoxy Tabletop has a shelf life of 6 months if stored in accordance with CIKO instructions.

Health & Safety

CIKOpoxy Tabletop 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
- Adhesives and bonding agent
- Concrete repair materials
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified expert.

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All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.



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