

CIKOpoxy FC



Epoxy Resin Based Resurfacing Putty

Description

CIKOpoxy FC is a two-component epoxy resin based resurfacing compound to repair expansion joints, control joints, cracks, deep holes worn and eroded slabs.

CIKOpoxy FC is based on epoxy cured with a special grade of hardener. It offers excellent bonding properties to wide range of substrates.

Properties

- Two components thixotropic, solvent free epoxy resin, graded filler and thixotropic agents.
- Resurfacing materials for horizontal, vertical and overhead applications
- Re-profiling small area up to 20mm thickness
- Exhibits good wear and abrasion resistance.
- Resistance to impact load.
- Provides high strength and non-sag properties.

Application Areas

CIKOpoxy FC acts as a resurfacing material suitable for,

- Bedding and gap filling applications in concrete repair.
- Floor and wall resurfacing before application of epoxy or polyurethane range of coatings.
- Crack and holes filling
- Resurfacing the damaged concrete surface in horizontal and vertical planes.

Physical properties

Form	Two component system Part A: Viscous paste Part B: Viscous paste
Colour	Grey in general
Solid by mass	100%
Mixing ratio	Pre-weighed packs
Bond Strength	Failure in concrete
Pot life	
@ 25 °C	Approx. 90 min
@ 35 °C	Approx. 45 min
Final cure	7 days
Foot traffic	After 24 hours

Coverage

4.0 Liters kit will cover 4 m² at 1 mm thickness.

The coverage depends on the substrate condition and finish. Consult CIKO technical service department for further guidance.

Application instructions

Surface preparation

New concrete substrate:

The new concrete substrate should complete the process of curing and should have a dry surface. The surface should be prepared using mechanical scrubbers to remove loose and un-bonded particles.

Old concrete substrate:

All contamination such as oil / chemical spillage or pot holes should be treated. The surface should be prepared using mechanical scrubbers to remove loose and un-bonded particles.

Mixing

The base [Part-A] and hardener [Part-B] components of CIKOpoxy FC should be mixed thoroughly using a slow speed drill-paddle assembly for two to three minutes and ensure a homogenous mix.

Application

Properly mixed materials should be spread over the cleaned surface using a trowel or putty blade maintaining the required thickness and levelling.

Precautions

- CIKOpoxy FC should not be applied at temperatures below 10°C.
- The substrate should be clean and dry.

Packaging

CIKOpoxy FC is available in 4-liter kit consisting of Part-A & B.

Shelf life

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

Storage

CIKOpoxy FC should be stored under cool enclosed shaded area at temperatures between 5 – 30°C.

Health & safety

CIKOpoxxy FC 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
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints

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.

TDS/ CRP24 Rev.:2 Issue: C

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.