

CIKOpoxy Putty



Epoxy resin-based resurfacing and repair putty

Description

CIKOpoxy Putty is a two-component epoxy resin based resurfacing putty on concrete and other suitable substrate for thin bed applications. CIKOpoxy Putty 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 large area up to 3mm thickness
- Exhibits good wear and abrasion resistance.
- Resistance to impact load.
- Provides high strength and non-sag properties.
- Resistance to wide range of aggressive chemicals.
- Can withstand dynamic and static heavy loads.

Application Areas

CIKOpoxy Putty as a resurfacing material is suitable to use for,

- Bedding and gap filling applications in concrete repair.
- Floor and wall resurfacing before application of epoxy or polyurethane range of coatings.
- Repairing pinholes, minor undulations, and static cracks.
- Resurfacing damaged concrete surface in horizontal and vertical planes.

Coverage

CIKOpoxy Putty will provide coverage of 1.7 to 1.8 m² per pack of 3.0 kg @ 1mm thick. The coverage depends on the substrate condition and finish. Consult CIKO technical service department for further guidance.

Chemical resistance

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

Physical properties

Form	Two component system Part A: Viscous paste Part B: Viscous paste
Colour	Grey in general
Mixing ratio by weight	100:56 (A:B)
Pot life @ 25 °C	50-100 minutes
Final cure @ 25 °C	7 days
Allowable foot traffic	After 18 to 24 hours
Pull off Bond Strength ASTM D7234 @ 7 days	>3 MPa (Concrete Failure)

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 means such as grinding or any acceptable alternatives to remove loose and un-bonded particles.

Old concrete substrate:

All contamination such as oil / chemical spillage or pot holes should be treated by the suitable cleaning agent. The surface should be prepared using mechanical scrubbers such as grinding, shot blasting or sandblasting to remove loose and un-bonded particles.

Application of CIKOpoxy Putty

The base [Part-A] and hardener [Part-B] components of CIKOpoxy Putty should be mixed thoroughly using a heavy-duty slow speed drill-paddle assembly for two to three minutes and ensure a homogenous mix. Properly mixed materials should be spread over the sound, dry and dust free concrete or epoxy primed surface using a trowel or putty blade maintaining the required thickness and level.

Note: for thicknesses larger than 10mm, mix CIKOpoxy Putty with CIKO ASG 1:1 up to 1:2 by mass.

Precautions

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

Packaging

CIKOpoxxy Putty is available in 3 kg, 6.5 kg and 20 kg pack consisting of Part-A & B.

Shelf life

CIKOpoxxy Putty has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

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

Health & safety

CIKOpoxxy Putty 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.

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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.