

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 area

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.

Physical properties

Form	Two component system Part-A : Viscous paste Part-B : Viscous paste
Colour	Grey in general
Mixing ratio by mass	A:B (100:56)
Pot life @ 25 °C	50-100 minutes
Final cure @ 25 °C	7 days
Allowable foot traffic	After 18 to 24 hours
Compressive Strength ASTM C 579 @ 7 days	>65 N / mm ²
Flexural Strength ASTM C348 @ 7 days	>15 Mpa
Tensile Strength ASTM D 638 @ 7 days	>11 Mpa
Pull off Bond Strength ASTM D7234@ 7 days	>3 MPa (Concrete Failure)
Slant shear bond strength ASTM C882	>2200 psi

Chemical resistance

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

- 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 Putty will provide coverage of 1.7 to 1.8 m² per pack of 3.0 kg @ 1mm thick.

Note: 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 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 CIKOASG 1:1 up to 1:2 by mass.

Precautions

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

Packaging

CIKOpoxy Putty is available in 3 kg packs consisting of Part-A & B.

Shelf life

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

Storage

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

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Health & safety

CIKOpoxy 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
- 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

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

