

# CIKOpoxy BP

## Epoxy resin based bonding and resurfacing paste

### Description

CIKOpoxy BP is a two component epoxy resin based bonding and resurfacing material for bonding concrete to concrete and other substrates by thin bed application. It is also suitable for grouting anchor bolts and rebar. It is available in two versions as fast setting [identified as FS] and medium setting [identified as MS].

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

### Properties

- Two component epoxy based bonding, grouting and resurfacing material.
- 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 BP is suitable to use for,

- Bedding and gap filling applications in concrete repair.
- Grouting of anchor bolts, rebar and dowels.
- Bonding agent for new to old concrete and dissimilar materials.
- Crack and holes filling.
- Resurfacing damaged concrete surface in horizontal and vertical planes.

### Physical properties

Form	Two component system Part-A : Viscous paste Part-B : Liquid
Colour	Grey in general
Mixing ratio	Pre-weighed packs
Pot life @ 25 °C	30 - 35 minutes [for MS] 6 – 8 minutes [for FS]
Tack free	3 - 4 hours [for MS] 1 – 1.5 hours [for FS]
Final cure	7 days
Compressive Strength ASTM C 579	>50 N / mm <sup>2</sup>
Bond strength	Failure in concrete

### Coverage

CIKOpoxy BP will provide coverage of 2.8m<sup>2</sup> per pack of 3.0 kg @ 1mm thick.

### Application instructions

#### Surface preparation

The substrate should be free of all contamination such as oil, grease, chemical spillage, standing water etc.. The surface should be prepared using mechanical scrubbers to remove loose and un-bonded particles.

#### Application

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

Properly mixed materials should be spread over the cleaned surface using a trowel, putty blade or stiff brush. The bonding/grouting/repair process shall be completed well within the pot life of the material.

## Precautions

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

## Packaging

CIKOpoxyl BP is available in 3 kg packs consisting of Part-A & B. Other packing sizes are available on request.

## Shelf life

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

## Storage

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

## Health & safety

CIKOpoxyl BP 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.

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- 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