

# CIKOfill 2K



## Cement based polymer modified filler

### Description

CIKOfill 2K is a two-component polymer modified cement-based material for filling and sealing static cracks and blowholes in concrete and masonry. It provides excellent adhesion to cementitious substrates and act as a monolithic part of the element.

CIKOfill 2K is a balanced blend of cement as binder, graded silica sand, cement replacements, rheology modifier and chemical additives.

### Advantages & Properties

- Two component cement-based system.
- Provides excellent adhesion to substrates.
- Permanent filler for blowholes and static cracks.
- Ensures good bond strength.

### Application Area & Uses

- For repairing blowholes, static cracks or re-profiling of concrete or mortar substrates to a thickness from 0.5 - 8.0mm.
- Suitable for vertical and overhead applications
- Interior and exterior applications.
- Levelling uneven surfaces.

### Applicable Standards

Complies with Qatar Construction Specifications QCS.

### Physical properties

Form	Part-A: Powder Part-B: White liquid
Colour	Grey [mixed colour]
Finish	Smooth
Pot life @ 25°C	30 minutes
Surface dry	3-4 hours @ 25°C
Compressive Strength ASTM C109	>20 MPa @ 7 days >30 MPa @ 28 days

### Coverage

A 25kg kit of CIKOfill 2K will yields to 13.0 litres.

### Application instructions

#### Surface preparation

The cracks must be cleaned to remove contamination, paint, loosely held materials, algae etc. Oil or grease traces if present must be removed by steam cleaning or by using proper detergents. The surface can be cleaned using high pressure water jetting or sand blasting. Finally blow the cracks using compressed air and allow drying.

#### Mixing

Liquid component of CIKOfill 2K [Part-B] should be mixed with powder component [Part-A] using heavy duty slow speed drill-paddle assembly. Mix both the components for 4-5 minutes to get a homogenous and lump free mix. Slight amount of water may be added to achieve required application consistency. Part mixing can be done by hand for desired quantities.

#### Application method

Wet the surface using clean water and remove all excess water by cloth or sponge. Properly mixed material shall be filled using spatula or putty knife. Excess material must be removed immediately after filling cracks or blowholes.

#### Curing

Cure the applied surface as per the standard concrete curing procedures or use membrane curing compound CIKOcure AC.

### Precautions

CIKOfill 2K should not be applied at temperatures below 5°C.

### Packaging

CIKOfill 2K is available in 25.0 kg kit consisting of Part-A 20kg powder and Part-B 5.0 ltr liquid.

### Storage

CIKOfill 2K should be stored under cool enclosed shaded area.

### Shelf life

CIKOfill 2K has a shelf life of 12 months if stored in accordance with CIKO instructions.

## Health & safety

CIKOfill 2K should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation. Applicators 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 further 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

## 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 experts.

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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.