

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.

Properties

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

Application area

- 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

Coverage / Yield

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.

Packaging

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

Shelf life

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

Storage

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

Precautions

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

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 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

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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

