

# CIKOblock Fix

## Cementitious adhesive mortar for light weight blocks

### Description

CIKOblock Fix is ready mix mortar that requires only addition of water at site. It is specially formulated to fix autoclaved aerated concrete blocks..

CIKOblock Fix is composed of blend of cement, well graded sand and selected polymers additives to improve workability, open time, bonding and water retention.

### Properties

- Good bonding.
- Good water retention.
- Extended open time.
- Ready to use one component material requiring only addition of water on the site
- Suitable for external and internal areas.
- Suitable for normal blocks, light weight blocks and bricks.

### Application area

CIKOblock Fix is a high quality adhesive that can be used for interior and exterior applications as well as:

- A mounting mortar for regular and light weight blocks and bricks.
- Permanent fixing of medium sized blocks and bricks.
- Can be used for vertical and horizontal surfaces

### Physical properties

Form	Powder
Colour	White or Grey
W/P	0.18 to 0.20
Density [fresh]	1.85 ± 0.05 kg/ltr
Compressive strength at 28 days	>5 N/mm <sup>2</sup>
Open time @ 25°C 3mm thickness	>15minutes
Pot life @ 25°C	2 hours
Bond Strength	>1MPa

### Coverage

Each bag of CIKOblock Fix yield 12.75 to 13.25 litres of mixed product and provide coverage as follows:

10mm thick solid bed	1.0 to 1.25 m <sup>2</sup>
5mm thick solid bed	2.0 to 2.5 m <sup>2</sup>
3mm thick solid bed	4.0 to 4.5 m <sup>2</sup>
2mm thick solid bed	6.0 to 6.5 m <sup>2</sup>

### Application instructions

#### Surface preparation

Blocks and bricks should be clean sound and free from any powder, greasy or oily matter. The substrate must not be over hot or cool. The blocks should be damped with water before installation.

#### Mixing

A proper mixing is done using a low speed mechanically powered drill mixer with the appropriate paddle.

Add 3.6 -4 litres amount of clean, potable water to a clean container. Then add the powder slowly and continuously while mixing. Mixing time should be at least 3 minutes until a uniform consistency is achieved.

Note: In hot weather application, use chilled water to extend the open time of the mixed material.

#### Application

Spread the material at a uniform thickness as required based on the block size. Place the blocks firmly over the applied area. Do not over spread the mortar taking in consideration the open time of the material. The ideal application temperature is 5°C to 35°C.

#### Curing

Protect newly applied mortar from sun and wind. Curing with water will help to gain better strength.

#### Packaging

CIKOblock Fix is available in 20 kg moisture resistant bags.

### Shelf life

CIKOblock Fix has a shelf life of 12 months if stored in accordance with CIKO instructions.

### Storage

CIKOblock Fix should be stored under cool enclosed shaded area between 5 and 45 °C.

### Health & safety

Use standard dust mask to avoid inhalation of dust. Powders when wet or moist can cause burns to skin and eyes which should be protected during use. If comes in contact with skin/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



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