

CIKOblock AD

Cement based pre-mixed block adhesive

Description

CIKOblock AD is pre-mixed mortar that requires only addition of water at site. It is specially formulated for mounting regular /hollow blocks and bricks and to fill up gaps between blocks and bricks.

CIKOblock AD is composed of blend of cement, graded sand and selected polymers additives to improve workability, 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 AD is a high quality block adhesive that can be used for interior and exterior applications as well as:

- A mounting mortar for regular/ hollow blocks and bricks.
- Permanent fixing of all types of blocks and bricks.
- Can be used for vertical and horizontal surfaces

Applicable Standard

CIKOblock AD complies with the minimum property specifications requirements of ASTM C270.

Physical properties

Form	Powder
Colour	Cement Grey
W/P ratio	0.16-0.18
Density [fresh]	1.975 ± 0.025 kg/L
Compressive Strength ASTM C109 @ 28 days	≥17.5 N/mm ²

Coverage

Each bag of 25 kg CIKOblock AD mixed with the allowable W/P ratio range will yield 14.5 to 15 L of fresh mortar which provides coverage for thin-bed applications as follows.

5mm thick solid bed	2.8 to 3 m ²
3mm thick solid bed	4.5 to 5 m ²
2mm thick solid bed	7.25 to 7.5 m ²

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 masonry should be dampened with water before installation.

Mixing

CIKOblock AD should be mixed with 4.0 to 4.5 L of water for each bag of 25kg. Use a heavy duty slow speed drill-paddle assembly for mixing. Dispense the powder gradually while continuously mixing. The properly mixed material should be thick, trowel able and of lump free consistency.

Use a mechanical batch mixer to ensure homogeneity, workability and good working life.

Add the minimum amount of clean, potable water required for optimum workability.

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

Application

If rendering is done over brick or block wall work, apply the CIKOblock AD by trowel. Place the block on mortar ensuring good contact. Check the level and proceed fixing the next block. The ideal application temperature is 5⁰C to 35⁰C.

Curing

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

Packaging

CIKOblock AD is available in 25 & 50 kg moisture resistant bags.

Shelf life

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

Storage

CIKOblock AD should be stored under cool enclosed shaded area at temperatures between 5 °C and 40°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*