

CIKObuild PP

Ready Mix Cementitious Levelling Plaster

Description

CIKObuild PP is ready mixed single component cement based plastering material when mixed with water produces a thixotropic material that provides a fast and clean work environment.

CIKObuild PP is a balanced blend of cement, well graded sand, polymers and other chemical additives that result in a shrinkage compensating plaster in addition to perfect workability and enhanced adhesion. CIKObuild PP requires only addition of water at site.

Properties

- Good adhesion to concrete, regular and ACC blocks
- Trowable with very good workability.
- Durable
- Single component system and only addition of water required at site.
- Suitable for all climates.
- Resistant to chlorides and carbon dioxide.
- Suitable for interior and exterior applications, vertical and overhead.

Application area

- Concrete.
- Blocks.
- ACC blocks.
- Water resistant gypsum boards.

Physical properties

Form	Powder
Colour	Cement grey (standard)
w/p ratio	0.16
Dry Bulk Density	1.5 ± 0.1 g/cm ³
Wet Mixed Density	1.85 ± 0.05 g/cm ³
Working time	Up to 2 hours @ 25 ⁰ C
Compressive Strength	≥8 N/mm ² @ 7 days
C109	≥12 N/mm ² @ 28 days
Pull off Strength	≥0.7 N/mm ² @ 7 days
Bond Strength	≥1 N/mm ² @ 28 days
1015-12	

Applicable Standards

CIKObuild PP complies with:

- BS EN 998-1 General purpose (GP) category CS IV, W1.
- Qatar Construction Specifications.

Coverage & Yield

50 kg bag of CIKObuild PP mixed with 8 litres of water yields to 31 litres fresh mortar in which will cover approximately 3 m² at 10 mm thickness.

Application instructions

Surface preparation of Blocks

Normal or medium density blocks to receive CIKObuild PP must be sound, clean and free of oil, grease and efflorescence. Usually this type of blocks are engineered and manufactured with an open key thus Dampen the surface before application of CIKObuild PP shall be satisfactory.

Surface preparation and priming of light weight blocks

Light weight blocks are manufactured and designed to have high suction, thus it is recommended to spray water evenly on the surface and apply CIKOspatter as a key rush coat and primer for mechanical key bonding enhancement prior to the application of CIKObuild PP.

Surface preparation and priming of Concrete

Concrete must be fully cured and has completed 28 days of curing. Film forming curing agent shall be removed with the suitable mechanical means. Formed concrete has a very smooth finish in which a mechanical key bonding is recommended to enhance and improve the adhesion. Water must be sprayed over the concrete followed by the application of CIKOspatter as key rush coat & primer as per the instructions mentioned in its technical data sheet prior to the application of CIKObuild PP.

Mixing

CIKObuild PP must be mixed with 8 liters of water to achieve the proper thixotropic consistency. Dispense CIKObuild PP slowly into the mixing vessel containing gauged water and start mixing using a heavy duty slow speed drill-paddle assembly or . Mix the mortar for 4-5 minutes to get a homogenous and lump free mix.

Application

CIKObuild PP can be applied either manually using a steel trowel or by standard spraying plastering machines.

Apply the plaster on the well prepared surface at a thickness between 10 and 20 mm in one layer. Level the surface using a straight wooden or plastic float.

Finish the surface using a soft synthetic sponge and a steel float or trowel slightly damped with water

Curing

Prior to the curing process, allow the applied surface to set properly.

CIKObuild PP should be cured as per the standard concrete curing practices by spraying water for 2 to 3 days continuously after the application or the usage of any type of CIKOcure range of products.

Packaging

CIKObuild PP is available in 50 kg moisture resistant bags.

Shelf Life

CIKObuild PP has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKObuild PP should be stored under cool enclosed shaded area between 5^oC and 45^oC

Precautions

- Use of CIKObuild PP is not permitted at elevated temperatures, preferably between 5^oC and 40^oC.
- Do not re-temper mortar after initial mix.
- Follow the movement joints as per the design to relieve stresses in the structure.
- Use steel mesh at the corners of opening, windows and doors and at junctions of different materials such as concrete-block interface to prevent later problems.

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.

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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
- Adhesives and bonding agent
- Concrete repair materials
- Protective coating
- Joint Sealants
- Moulding compounds

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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

