



CONMIX LTD.

CEMENT PLASTER/RENDER - CP2

Versatile plaster...

CP2 is a dry pre mix, cement plaster/render for internal and external use. This cement plaster is an ideal substrate for paint, wallpaper or decorative plasters. CP2 can be applied with a suitable plastering machine or by hand in accordance to BSEN 13914-1 & 2 onto prepared concrete surface, block work as well as most mineral backgrounds.

TECHNICAL DATA	
Composition	Portland Cement, processed sand and chemical additives
Binder	Portland Cement
Aggregate Size	0-3 mm processed sand
Appearance	Grey granular powder
Mixing Ratio	8.5 ltrs of water per 50 kg bag : Water/Powder ratio = 0.17
Approx. Yield *	33 ltrs per 50 kg bag
Approx. Coverage *	2.10m ² per bag @ 15 mm thickness
Density *	Wet : 1.78 kg/ltr Dry: 1.65 kg/ltr
Compressive Strength *	4.0 N/mm ² @ 28 days
Flexural Strength *	1.0 N/mm ² @ 28 days
Working Time	Approx. 30 minutes
Curing	Minimum 48 hours by potable water
Specification	BSEN 998-1, BSEN 13914-1:2005, BSEN 13914-2:2005 BS 5262, BS 5492, ASTM C926, ASTM C897
Pack Size	50 kg paper bags
Shelf Life	12 months from the date of manufacture when stored under dry conditions

** Typical results under laboratory condition*

APPLICATION METHOD

BACKGROUND

The fair faced concrete background and the concrete blocks should be thoroughly cleaned using a stiff brush to remove any dust, loose particles, wood pieces, mould oil, etc.

The suction in the background of both fair faced concrete and block work should be neutralized by applying potable water.

Free water on the surface should be allowed to disperse before any further application.



APPLICATION TOOLS





PREPARATION OF NORMAL FAIR FACED CONCRETE SURFACE

Conmix Bonding Rush Coat (BRC) mixed with appropriate amount of potable water (approximately 19% by weight i.e. 9.5 ltrs per 50 kg bag) using a mechanical mixer, should be spray applied on the prepared fair faced concrete surface. A rough texture has to be obtained to provide a mechanical key for the subsequent coat of CP2.

The applied BRC has to be water cured for a period of 2 days (3-4 times daily) before applying CP2.

Conmix "AUTEX" Fibre Glass Mesh/Expanded Metal Lath (as approved by the consultant) to be fixed at all junctions of dissimilar backgrounds. (i.e. fair faced concrete and block work) or a groove has to be formed at the junction while the plaster is still soft.

MIXING

CP2 supplied in 50 kg bags has to be mixed with potable water only, in a clean plastic bucket or a clean non-corrosive, uncontaminated metal tub. To ensure a homogenous and uniform mix, an electric agitator must be used.

The amount of water to be added is 8.5 ltrs per 50 kg bag (i.e. approximately 17% by weight). Add CP2 to water, turn the contents of the bag carefully and stir frequently. Once mixed, allow to stand for 5 minutes and mix again before applying. No further water should be added to the mix. Hard and set plaster should not be re-mixed or used. If a plaster spray machine is used, the mixing is carried out automatically.

APPLICATION

First Coat: Mixed CP2 has to be applied to the prepared background, as a spatter dash/rush coat to a thickness of 6-8 mm.

A rough texture has to be obtained to provide a mechanical key for the next coat. A minimum of 48 hours have to elapse prior to the application of the second coat. Water curing is an absolute must during this period.

Second/Final Coat: With the second / final coat application, a total thickness of upto 20 mm can be built up and finished by felting or floating. If opted to use a plaster machine, the plaster is being applied continuously and the finishing should be done manually to its specified thickness to meet the requirements of BSEN 13914-1 & BSEN 13914-2.

Conmix Technical Service Department will assist in these procedures upon request.

SPECIAL NOTES

The finished plaster has to be water cured for a period of 2 days (3-4 times daily).

Before applying any kind of stucco finish, paint or wall paper, the plaster has to be allowed to dry out completely, devoid of any moisture. For application procedures in case of light weight blocks, concrete containing micro silica, GGBS, curing compound or any special additive or special building material, kindly contact Conmix Technical Service Department for assistance.

STORAGE

Conmix CP2 must be stored well covered in a dry place off the ground. Hard or lumpy material must be rejected.

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