



CONMIX LTD.

CEMENT PLASTER/RENDER LIGHT - CP2 LGT

Plastering solution for aerated blocks...

CP2 LGT is a dry pre mix, cement plaster/render for internal and external use. It is specially designed for aerated light weight blocks and calcium silicate blocks. CP2 LGT can be applied with a suitable plastering machine or by hand.

TECHNICAL DATA

Composition	:	Ordinary Portland Cement, hydrated lime, processed sand and chemical additives including cellulose fibres.
Binder	:	Ordinary Portland Cement
Aggregate Size	:	3 mm processed sand
Appearance	:	Grey coloured granular powder
Mixing Ratio	:	8.5 ltrs water per 50 kg bag Water/Powder ratio = 0.17
Approx. Yield/Coverage *	:	32 ltrs per 50 kg bag; 3.2 m ² per bag at 10 mm thickness
Density *	:	Wet : 1.78 kg/ltr Dry: 1.65 kg/ltr
Compressive Strength *	:	2.50 N/mm ² @ 28 days
Flexural Strength *	:	1.0 N/mm ² @ 28 days
Pack Size	:	50 kg paper bags
Shelf Life	:	12 months from date of production when stored under dry conditions
Working Time	:	Approx. 30 minutes
Curing	:	Minimum 48 hours by potable water
Specification	:	BSEN998-1, BSEN13914-1, BSEN13914-2 & BS 5492

* 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 thoroughly neutralized by applying potable water.

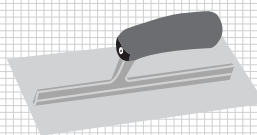
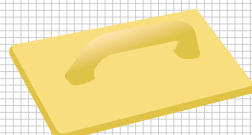
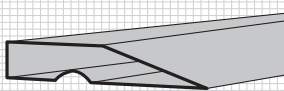
Free water on the surface should be allowed to disperse before any further application.

Preparation of normal fair faced concrete surface

Conmix Bonding Rush Coat (BRC LGT) 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

Cont...

Application tools





applied on the prepared block work and fair faced concrete surface. A rough texture has to be obtained to provide a mechanical key for the subsequent coat of CP2 LGT.

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

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 LGT 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 homogeneous and uniform mix, an electric agitator must be used.

The amount of water to be added is 8.50 ltrs per 50 kg bag (i.e. approximately 17% by weight). Add CP2 LGT 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

Mixed CP2 LGT can be applied onto the prepared surface in one coat to a thickness of 8-20 mm and finished by felting or floating.

If a plaster spray machine is used then the plaster is applied in a continuous operation and finished manually to the specified thickness to meet the requirements of BSEN13914-1 & BSEN13914-2.

Conmix demonstration team 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 concrete containing micro silica, GGBS curing compound or any special additive or special building material, kindly contact Conmix technical department for assistance.

STORAGE

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