

CONPAC PLASTER - 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 m2 per bag at 10 mm thickness
Density *	: Wet : 1.78 kg/ltr Dry: 1.65 kg/ltr
Compressive Strength *	: 2.50 N/mm2 @ 28 days
Flexural Strength *	: 1.0 N/mm2 @ 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	: BSEN 998-1, BSEN 13914-1 & BSEN 13914-2

APPLICATION METHOD

BACKGROUND

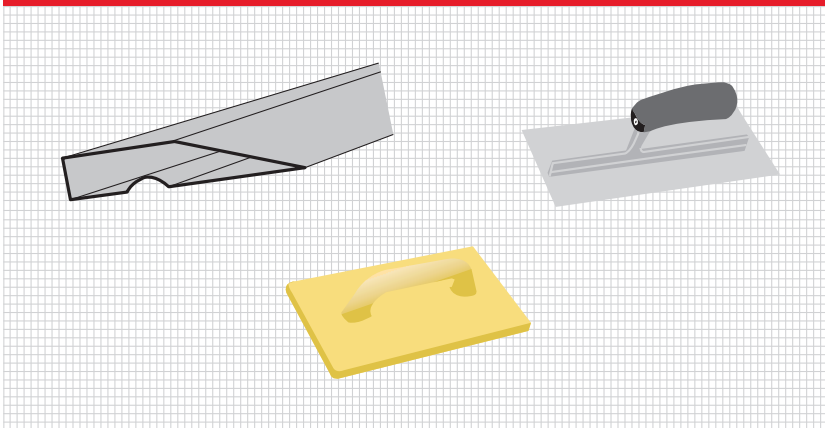
The fair faced concrete background should be thoroughly cleaned devoid of dust, loose particles, wood pieces, mould oil etc. The fair faced concrete, light weight aerated/ calcium silicate blocks, should be cleaned using a stiff brush to remove any dust or loose particles.

The suction in the background of both fair faced concrete and block work should be reduced by applying clean potable water. Free water on the surface should be allowed to disperse before any further application.

Preparation of normal fair faced concrete surface
CONPAC Bonding Rush Coat (BRCLGT) mixed with appropriate amount of potable water (approx. 19% by weight i.e. 9.5 ltrs. per 50 kg bag) using a mechanical mixer,

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APPLICATION TOOLS



* Typical results under laboratory condition



should be spray 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.

CONPAC "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. approx. 17% by weight). Add the 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

CP2-LGT mixed as above can be applied onto the prepared surface in one coat to a thickness of 8-19 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 BSEN 13914-1 & BSEN 13914-2.

CONPAC demonstration team shall 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 CONPAC technical department for assistance.

STORAGE

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