



constructive solutions

Cebex 112

Plasticising admixture for mortars

Uses

Improves workability and trowelling properties of sand/cement mortars and renders, for faster and smoother finishing.

Advantages

- Eliminates the need for lime in masonry application
- Saves storage space and failures due to unsound lime
- Improves moisture retention, reduces drying shrinkage
- Aids faster and smoother finishing
- Highly economical
- Improves harsh sands
- Can be used in coloured mortars

Standards Compliance

Cebex 112 complies with BS 4887 mortar air entraining (plasticising) admixtures. It also conforms with the recommendations of BRE Digest 160.

Description

Cebex 112 is supplied as a light brown coloured liquid which mixes readily with water in any proportions. It is based on polymerised resins and is free from calcium chloride and similar salts.

When added to the mortar, Cebex 112 entrains a controlled quantity of air which imparts greater workability and cohesion to the mortar, and increases its durability once set. The use of Cebex 112 reduces thermal movement and drying shrinkage in the cured mortar.

Cebex 112 can be used in conjunction with Conplast NC, a chloride-free accelerator (see separate data sheet) to obtain acceleration of set. Conplast NC should be added first followed by the Cebex 112.

Technical Support

Fosroc offers comprehensive technical support, including help at the design stage, application advice and on the site problem solving. Specifiers and contractors are encouraged to contact our trained staff for answers to their questions.

For further information, please contact us at your nearest Fosroc office.

Typical Properties

Specific gravity:	1.01 @ 20°C
Calcium chloride content:	Nil to BS 4887
Compatibility with other mixed admixtures:	Cebex 112 should not be used with any admixtures unless advised by Fosroc
Compatibility with other cements:	Can be used with any type of Portland, super sulphate or blast furnace cement.
Setting time:	No significant effect on setting time of mortars.
Plasticising action:	Cebex 112 entrains a controlled amount of microscopic air bubbles which increase cohesion and provide lubrication to the sand particles in the mix, thereby imparting improved workability to the mortar.

Application Instructions

Mixing

Cebex 112 may be added directly to the sand/cement/water mix or with the gauging water. Mechanical mixing is to be preferred but thorough manual mixing gives acceptable results.

Dosage

Cebex 112

Direct to the mix:	0.3-0.6 litres/100 kg of cement
To the gauging water:	0.75-1.50 litres/200 litres of water

Note: The nature of the sand will determine the optimum amount necessary. A plastering grade will require less and a coarse washed sand more. Site trials are recommended to determine the practical dosage in each case. For an average dosage in a 1:6 mix, 4.5 litres of Cebex 112 is sufficient for 5,000 bricks.

Cebex 112

Overdosing

Overdosing of Cebex 112 will result in increased workability and air entrainment.

Cleaning

Spillages of Cebex 112 should be removed with water.

Estimating

Supply

Cebex 112: 25 litre and 210 litre drums

Note: In accordance with Commercial or Health & Safety requirements packaging detail may alter. Please contact your local Fosroc office for detail.

Storage

Shelf life

12 months if stored between 2°C-50°C.

Precautions

Health and safety

Cebex 112 is mildly alkaline. Avoid unnecessary contact with the skin. Accidental splashes to the eyes should be washed immediately with plenty of water and medical treatment sought.

Additional Information

Technical data and guidance can be provided on a wide range of admixtures and concreting aids, including accelerators, retarders, air entraining agents, waterproofers, mould release agents, surface retarders and repair materials. For further details please contact your local Fosroc office.

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