



Cemax AE600

Air Entraining cum Strength enhancing additive for Masonry Cement

Uses

To produce air entrained cements for increased durability and resistance to damage by frost and de-icing salts, and to improve the cohesion, workability and strength of cements.

Cemax AE600 is one of the most effective air entraining additives developed for use in the manufacture of air entraining Portland Cement and masonry cements.

Advantages

- Improves cohesion, reduces segregation and bleeding of cement paste.
- Improves strength of cement
- Gives dense, uniform, close textured surface to cement paste.
- Excellent air bubble stability
- Consistent performance, even with changes in aggregate quality and ambient temperature.
- Effective in low workability cement paste.
- Highly suitable to produce limestone/flyash based cementitious systems.

Description

Cemax AE600 is a chloride - free additive based on anionic and non-ionic surfactants and amine based. Cemax AE600 acts on the interface of the cement particles and mixing water to produce microscopic air bubbles evenly distributed throughout the cement in the mortar paste of the cements.

These air bubbles act like flexible ball bearings increasing the mobility and workability of the cement paste. This will result in no loss of slump and a reduction in mixing of water. Bleeding, shrinkage and segregation are minimized.

Compatibility

CEMAX AE600 is compatible with other Fosroc CEMAX grinding aids but it is recommended that all additives be added to cement separately.

Technical Data

CEMAX AE600 is derived from blend of anionic surfactant, an ethoxylated nonionic surfactant and amines.

Appearance	Light brownish transparent liquid
Specific gravity	1.05 - 1.15
Chloride content	Nil to BS5075
pH	9 - 10

Addition Rate

The optimum dosage must be determined during full scale cement mill tests. As guide a dosage of 300 - 800 grams per ton of cements is recommended. This will generally give air content of 12% to 25% in the cements.

Overdosing

An overdose of double the recommended amount of CEMAX AE600 can result in a slight increase in setting time and a reduction in compressive strength.

Dosing Equipment

The correct quantity of CEMAX AE600 should be measured by means of a recommended dispenser. Fosroc's Technical department should be contacted regarding suitable equipment and its installation. CEMAX AE600 should be added directly to the mill or sprinkled on to the feed mill clinker conveyer.

Cemax AE600

Storage

CEMAX AE600 has a minimum shelf of 12 months provided the temperature is kept within the range of 2-50 deg.C

Packaging

Cemax AE600 is supplied in 250 kg drum.

Fire

CEMAX AE600 contains no flammable materials.

Cleaning and Disposal

Spillages of CEMAX AE600 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.

Do not allow CEMAX AE600 to enter rivers or drains. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Technical Support

Fosroc provides a technical advisory service for onsite assistance and advises on additives selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for grinding aids and other cement additives used for Portland and blended cements.



Fosroc Chemicals (India) Pvt. Ltd.

Head Office

"Sapthagiri Palace", No.38,
II & III Floor, 12th Cross,
CBI Road, Ganganagar North,
Bangalore 560 032

Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

telephone

++91 80-23551500

fax

++91 80-23551510

e-mail

enquiryindia@fosroc.com

Regional Offices

Bangalore

"Sapthagiri Palace", No. 38
II & III Floor, 12th Cross,
CBI Road, Ganganagar North,
Bangalore 560 032.
Ph:080-23551500
Fax : 080-23551510

Mumbai

1401/1402, 14floor,
A-Wing 'The Great Eastern Summit'
Sector-15, CBD, Belapur
Navi Mumbai 400 614
Ph: 022 -43406800-04

Delhi

D-166 Sector 10
Noida,
UP 201 301
Ph:0120-4270620
Fax: 033-2499-0280

Kolkata

304, Jodhpur Park
Kolkata 700 068
Ph:033-65343188