



constructive solutions

CEMAX 333

Grinding Aid / Initial Strength Improver / Setting Time Retarder

Description

CEMAX 333 is highly concentrated initial strength improver formulated with the most effective raw materials.

CEMAX 333 has modified hydroxyl amines and is available for use to enhance the initial strength of cement.

CEMAX 333 is specifically tailored to maximize its performance in different cement types and compositions. It has also grinding aid effect and setting retarder effect.

Advantages

CEMAX 333 improves the initial strength of the cement and it is able to increase mechanical strengths due to a better granulometric redistribution of the finished cement. This product has high contribution effect to the high C₃A content clinkers.

CEMAX 333 can be successfully utilized in the grinding of blended cements (i.e. pozzolanic, blast furnace slag and fly ash cements) and in all cases where a significant increase in initial strengths is needed. It is possible to replace clinker up to 4 – 6% by blended materials.

Application

CEMAX 333 should be applied to the clinker on the conveyor belt just before the mill entrance by an adjustable dosing pump.

Dosage

General dosage is **200 – 600** gram per ton of fresh feed to the mill.

We suggest the higher dosage threshold, if the aim is the substitution of clinker with blended material (i.e. limestone, blast-furnace slag, fly ash, pozzolana).

The optimum dosage, in any case, has to be found through a reliable industrial trial, preferably with the help of **FOSROC IDEA Cement Additives Division Technicians**.

Chemical - Physical Data

Color	Brown
d (at 20 °C)	1.22 ± 0.05 g/cm ³
pH	10.0 ± 1.0

Please refer to the appropriate safety data sheets.

Packaging

CEMAX 333 is available in drums (220 kg net), plastic tanks (1.100 kg net) or can be transported in bulk form by ISO-tanks, Flexi-tanks or tanker trucks.



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Storage

Maintain the additives at a temperature above +5°C. In case of precipitation re-dissolve through an energetic mixing before using.

In normal conditions **CEMAX 333** shelf life is at least 12-months.

Technical Assistance

FOSROC IDEA Cement Additives Division technicians are available to cement factories in order to optimise the grinding circuit during all the industrial tests and to suggest the most suitable dosage system.

Safety Instructions for Preparation and Application

CEMAX 333 is not considered as dangerous according to the European regulation regarding the classification of preparations.

It is however recommended to use protective gloves, eyes protection and to take the usual precaution taken when handling chemical products.

The Safety Data Sheet is available upon request for professional users.

Warning

Although the technical details and recommendations contained in this data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application. For this reason, anyone intending to use the product must ensure beforehand that is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from use of the product.



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