



ZX162

Retarding and strengthening type cement grinding aid

Description

ZX162 is a kind of grinding and strengthening type cement grinding aid.

By the use of **ZX162**, without the new investment and change of existing cement grinding process equipment, it can be realized that:

- Cement setting time is extended;
- Cement quality is improved;
- Part of clinker is saved;
- Energy cost is reduced.

Applicable cement range

The expressway project needs retarding cement, whose setting time is over 6~8 hours.

ZX162 is suitable for the production of slow-setting cement.

Property

Appearance	Yellow brown liquid
Specific gravity	1.19±0.05
PH value	10±1
Insoluble matter	≤ 0.01%

ZX162 is non-toxic, non corrosive, non flammable, non explosive.

Technical characteristic

- **Prolonging setting time.** According to customer demand, cement setting time can be prolonged by 2~6 hours so that retarding cement can be produced.

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- **Improving cement quality.** The strength of cement at different ages can be increased significantly. The 3 days compressive strength can be enhanced by 10% and the 28 days compressive strength can be enhanced by 10%.
- **Saving part of clinker.** This product helps to mix more admixture such as volcanic ash, fly-ash, slag, limestone, etc into the cement than without using this product, so that 5~7% clinker can be saved.
- **Reducing energy consumption.** The energy consumed during milling and cement delivery can be reduced.

Dosage

The dosage of **ZX162** is related to the physical properties of cement products. The recommended dosage is 1200~6000 grams / tons of cement (0.12~0.6% of cement weight). The optimum dosage must be determined by testing on the cement mill.

Usage method

In order to achieve the most stable using effect, **ZX162** shall be accurately added by an adjustable liquid metering pump that matches the type and output of the cement mill. The liquid metering pump must be calibrated before use.

In order to ensure the accuracy and good dispersion of **ZX162**, 3~5 times the amount of water can be used to dilute **ZX162**. Diluted **ZX162** can be added to the clinker belt conveyor or the front of the mill.

Technical service

Professional engineers can combine the details of the cement plant to conduct experiment and recommend the mill parameters to the cement plant.

ZX162 is one kind of cement grinding aid. **According to the condition and demand of cement plant, professional engineers can design the most suitable cement grinding aid for many kinds of cement from cement plants to adjust cement performance**, such as: setting time, water requirement of normal consistency, fluidity, adaptability of cement and concrete admixture, etc.

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Package

250 kg/drum.

Storage

ZX162 should be stored indoors or in the shade. Avoid freezing. If it is frozen, melt it slowly before use. After long term placement, it should be stirred or shaken before use. The validity period is one year.

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