



ZX203

High limestone content type cement grinding aid

Description

ZX203 is a kind of high limestone content type cement grinding aid.

By the use of **ZX203**, without the new investment and change of existing cement grinding process equipment, it can be realized that:

- Mill output is increased;
- Cement quality is improved;
- Part of clinker is saved;
- Energy cost is reduced.

Scope of the application

Applicable for grinding of portland limestone cement with high limestone content.

Property

Appearance	Brown liquid
Specific gravity	1.17±0.06
PH value	8.5±1
Insoluble matter	≤ 0.01%

ZX203 is non-toxic, non corrosive, non flammable, non explosive.

Technical characteristic

- **Increasing mill output.** This product can effectively remove the electrostatic agglomeration due to grinding, reduce the agglomeration between cement particles, and the agglomeration between particles and pound mills. The mill output can be increased by 8~20%.
- **Improving cement quality.** The strength of cement at different ages can be increased significantly. The 3 days compressive strength can be enhanced by 2~5 MPa and the 28 days compressive strength can be enhanced by 3~8 MPa.
- **Saving part of clinker.** This product helps to mix more limestone into the cement

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than without using this product, so that limestone content can reach over 25%.

- **Reducing energy consumption.** The electricity used in the production of per ton of cement can be saved by 3~5 kw/h.

- **Others.** There is no corrosive effect on grinding equipment and concrete reinforcement. It has no adverse effect on the work performance, mechanical properties, deformation performance and durability of concrete.

Dosage

The dosage of **ZX203** is related to the physical properties of cement products. The recommended dosage is 300~1000 grams / tons of cement (0.03~0.1% 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, **ZX203** 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 **ZX203**, 3~5 times the amount of water can be used to dilute **ZX203**. Diluted **ZX203** 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 make experiment and recommend the mill parameters to the cement plant.

ZX203 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.

Package

250 kg/drum.

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Storage

ZX203 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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