



PACTOCem Aid WC2000

Grinding aid for White Cement

Description

PACTOCem Aid WC2000 is an aqueous solution of liquid dispersants added to the cement mill at milling stage as a grinding aid and pack-set inhibitor specially formulated for White Cement production to improve cement productivity without affecting cement whiteness, compressive strength and cement quality parameters.

Recommended for

PACTOCem Aid WC2000 is recommended for the production of:

- White Cement
- Specially designed for Quality enhancement of White Cement

Features and Benefits

PACTOCem Aid WC2000 specially formulated molecules helps to neutralize electrostatic residual forces produced on the cement particle surfaces during clinker grinding in the cement mill to reduce agglomeration and reduction in ball and liner coating which results in improved mill grinding efficiency. **PACTOCem Aid WC2000** is able to provide following benefits to the White cement producers:

- Increases mill productivity by reducing cement grinding cost.
- Effectively reduces specific energy power consumption.
- Reduces cement agglomeration during grinding process in the cement mill
- Reduced pack-set Index (PSI) in the storage silos reducing silo blockages
- Increases classifier efficiency to enhance transportation system flowability
- No negative impact on Cement Whiteness
- Improves cement powder flowability
- Improves cement Particle Size Distribution (PSD)

Production Specification

Density (g/cm ³) (20°C)	1.0 – 1.12
Chloride Content % (EN 480-10)	< 0.1
Colour	Brownish liquid
Homogeneity	Homogeneous



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Technical Details

PACTOCem Aid WC2000 helps to increase White cement mill output up to 15% however industrial field cement plant trials are recommended to optimize **PACTOCem Aid WC2000** dosage to achieve desired Cement mill performance without affecting cement whiteness.

PACTOCem Aid WC2000 is suitable for use in Ball Mill and Vertical Roller Mill (VRM).

PACTOCem Aid WC2000 grinding aid contains special chemical catalysts that react with the cement to enhance the hydration process resulting in better early and ultimate compressive strengths.

Compatibility

PACTOCem Aid WC2000 is designed for White Cement however it is compatible for use with all other types of Portland cement and blended cement replacement materials like GGBS, PFA and limestone. **PACTOCem Aid WC2000** is compatible to all PACTO range concrete admixtures

Dosage Guidelines

PACTOCem Aid WC2000 guideline dosage is 0.02-0.07% by weight of cement. Dosage may vary depending on White clinker type, Type of cement mill, desired mill output and cement performance. **PACTOCem Aid WC2000** dosage shall be optimized during plant field trials and actual plant use to meet desired requirement. Please contact PAC Technologies technical department for **PACTOCem Aid WC2000** dosage use outside guideline dosage range.

Technical services

PAC Technologies technical experts are available at all the time for technical assistance and troubleshooting.

Packaging

PACTOCem Aid WC2000 is supplied in 205 Litres drums, 1000 Litres IBCs tanks and Bulk tanker supply. It does not contain flammable materials.



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Dispensing

PACTOCem Aid WC2000 is normally added on the clinker material belt conveyor before cement grinding mill using suitable metering pump dispensing system. The **PACTOCem Aid WC2000** can be added to cement mill first chamber however addition location shall be decided jointly depending on actual plant condition.

Standard Compliance

PACTOCem Aid WC2000 has been widely used in cement industry and complies with ASTM C465-85 as a non-harmful processing addition.

Storage

PACTOCem Aid WC2000 shall be stored in covered storage area in clean dry tanks where temperature does not drop below freezing.

Shelf Life

PACTOCem Aid WC2000 can be stored up to 12 months in its original manufacturer's containers.

Safety Precautions

The usual precautionary measures should be adhered to handling the chemicals. Skin and Eye Contact: The affected area should be washed with plenty of water and soap. During the handle of the product, should use protective gloves.



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