

GRINDING AIDS

Master Format #: 00 00 00

EUCEM™ CGA 10-5 ELS

HIGH PERFORMANCE GRINDING AID



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in 55 gal (208 L) drums, 264 gal (1000 L) totes, and bulk

SHELF LIFE

12 months

SPECIFICATIONS/COMPLIANCES

ASTM C465

TECHNICAL INFORMATION

Odor: Characteristic, mild vinegar odor

DESCRIPTION

EUCEM CGA 10-5 ELS is a glycol modified polyethanolamine acetate based blend which has been specifically designed to improve the grinding and compressive strength performance of Portland cement. Depending on cement and plant characteristics, EUCEM CGA 10-5 ELS is also very effective in improving cement flow characteristics and preventing pack set.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Mill production is increased up to 15% depending on the efficiency of the equipment and the characteristics of the material to be ground.
- Grinding energy requirements and therefore grinding costs are reduced.
- The particle size distribution of the ground cement is improved, resulting in a more thorough hydration.
- Improved performance in both closed and open circuit systems at equal specific surface area or equal sieve residues.
- The mechanical strengths of cements are maintained or increased at all ages.
- Bulk density is increased.
- Powder flow characteristics are improved before, during and after storage.
- Pack set tendencies and coating are reduced.
- The risk of false set is reduced due to the lower grinding temperatures.

PRODUCT SPECIFICATION

% Solids (ASTM C494)	Specific Gravity @ 77°F (25 °C) (ASTM D1298)	pH per Electrode @ 77°F (25 °C)
79.5 - 82.5	1.120 - 1.160	5.0 - 7.5

DIRECTIONS FOR USE

DOSAGE

The dosage range is from 0.40 lb per short ton (0.2 kg per metric ton) to 0.9 lb per short ton (0.45 kg per metric ton) of cement (active ingredients basis). Industrial trials are required to determine the optimum dosage. Dosage levels in excess of 2.0 lb per short ton (1.0 kg per metric ton) can cause dust emissions and should be avoided.

PROCEDURE

EUCEM CGA 10-5 ELS may be introduced directly into the mill or onto the feed conveyor belt. A dosing pump is required to introduce the correct dosage into the mix. Our field technicians are ready to provide advice and assistance in the use of product.

PRECAUTIONS/LIMITATIONS

- Store EUCEM CGA 10-5 ELS at temperatures above 32°F (0°C). If the product freezes, its properties can be recovered after thawing and agitating thoroughly.
- Do not store the product at temperatures above 100°F (38°C) for long periods.
- Refer to Safety Data Sheet for additional information.

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