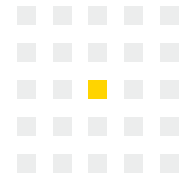


Technical data sheet

CHRYSO®AMA 90 E

Grinding aid – early age strength activator for fly ash and slag blends



Description

CHRYSO®AMA 90 E is a grinding aid and a high efficiency, strength improving activator. **CHRYSO®AMA 90 E** reduces water demand in cement and concrete production, and is also formulated to reduce clinker by increasing extender content.

Advantages

- Increased 24 and 48 hours mechanical strength of cement.
- Allows for fly ash and slag extension and therefore decreases the percentage of clinker in cement in order to reduce CO² emissions and production costs.
- Increased mill production (8% to 15%) depending on the efficiency of the equipment and the characteristics of the material to be ground.
- Reduced grinding energy costs.
- Improved efficiency in both closed and open circuit systems, at equal specific surface area or equal sieve residues.
- Significant reduction/elimination of cement agglomeration on the media, diaphragm, liners and the separator.
- Improved powder flow characteristics before, during and after storage resulting in improved packing times and packing consistency.
- The mechanical strength of cement is increased at early stages due to improved granulometry.

Physical and chemical properties

- Physical state (@25 °C): liquid
- Colour: brown
- Specific gravity (@25 °C): 1.187 (±0.010)
- pH (@25 °C): 8 to 9

Application guidelines

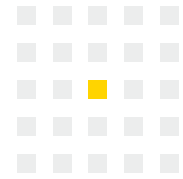
Use

This grinding aid is used in accordance with SANS 50197-1 (EN 197-1).

CHRYSO®AMA 90 E is an early age strength enhancer that is designed for use in both open and closed cement finishing mills.

Method and Dosage

- It is suggested that 3 L to 5 L of **CHRYSO®AMA 90 E** is used per tonne of fresh feed.
- Industrial trials are required to determine the optimum dosage.
- **CHRYSO®AMA 90 E** is a ready to use liquid grinding aid that may be applied onto the feed conveyor belt. A dosing pump is required in order to introduce the correct dosage into the mill.
- Dosages in excess of 6 L per tonne should be avoided.



Technical data sheet

CHRYSO®AMA 90 E

Grinding aid – early age strength activator for fly ash and slag blends

Storage

CHRYSO®AMA 90 E is guaranteed for 12 months starting from the manufacturing date provided no other chemicals are added to it.

The product should be stored away from the rain, in clean, dry tanks.

This product will not freeze above -5 °C.

Packaging

- Bulk tanker loads
- 1 000 L containers

Health and Safety

This product is classified as corrosive. **CHRYSO** will provide onsite assistance when requested. Refer to the material safety data sheet.

The information contained in this document is given to the best of **CHRYSO's** knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving **CHRYSO's** liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. **CHRYSO** specialists are at the disposal of the users in order to help them with any problems encountered.

CHRYSO Southern Africa (Pty) Ltd. Sharecall facility: 0861 CHRYSO
Gauteng (head office): 26 Malcom Moodie, Crescent, Jet Park | T: +27(0)11 395 9700 | F: +27(0)11 397 6644 | W: www.chryso.com

