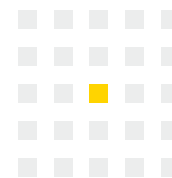


## Technical data sheet

# CHRYSO®PMA 70 E

(Grinding Aid) Early activator – strength enhancer for PFA and slag blends.



### Description

**CHRYSO®PMA 70 E** is a high efficiency activator that reduces water demand in cement and concrete production, and gives early age mechanical strengths to blended cement. It is also formulated to reduce clinker by increasing extender content.

### Advantages

Significant increase of early age (24 and 48 hour) mechanical strengths as well as maintained 28 day strengths.

Allows for fly ash and slag extension and therefore decreases the percentage of clinker in cement in order to reduce CO<sup>2</sup> emissions and production costs.

Allows for reduction of cement in certain applications (i.e. brick manufacturing, CPM, Paste Fill and shotcrete systems).

### Physical and chemical properties

- Colour: Light grey powder
- Bulk density: 1.1 (±0.1)
- pH: 7 (±1)

### Application guidelines

#### Use

- This grinding aid is used in the manufacture of CEMII; CEMIII, CEM IV and CEMV type cements.
- **CHRYSO®PMA 70 E** is a high efficiency, strength improving activator that is specifically formulated to increase the early age mechanical strengths of blended cement.

### Method and dosage

- It is suggested that 1 kg to 3 kg of **CHRYSO®PMA 70 E** is used per tonne of cement.
- Industrial trials are required to determine the optimum dosage.
- **CHRYSO®PMA 70 E** is a ready to use powder additive, it may be applied directly onto the feed conveyor belt of the mill or into a dry blending system, a small hopper and a vibratory feeder system. **CHRYSO®PMA 70 E** can be used in conjunction with other grinding aids.
- Dosages in excess of 6 kg per tonne of clinker to be ground should be avoided.

### Storage

**CHRYSO®PMA 70 E** is guaranteed for 12 months starting from the manufacturing date, provided no other chemicals or moisture are added to it.

The product should be stored away from the rain, typically in lined bulk bags.

This product will not freeze above -5°C.

### Packaging

1 000 kg lined bulk bags

### 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.