



## CHRYSO® Cem-AEM

**GRINDING AID - Air entraining and waterproofing agent for masonry cements**

### Description

**CHRYSO® Cem-AEM** is a grinding aid specifically formulated to entrain air into masonry type cements and improved the waterproofing characteristics.

- ✍ Strong tensio-active action.
- ✍ Better control of air contents, optimised bubble size and spacing. Good air retention properties.
- ✍ Easier and more thorough mortar mixing.
- ✍ Improved trowelability.
- ✍ Improved flowability.
- ✍ Improved water tightness.
- ✍ Reduces plastic shrinkage (initial set).
- ✍ Improved physical properties of the ground material.
- ✍ Improved performance in both closed and open circuit systems at equal specific surface area or equal sieve residues.
- ✍ Powder flow characteristics are improved before, during and after storage.

### Physical and chemical properties

- ✍ Active ingredients : Aqueous solution of organic components.
- ✍ Specific gravity at 20°C : 1.020 kg/ dm<sup>3</sup> (± 0.015).
- ✍ pH at 20°C : 10.5 (± 1.5).
- ✍ Chloride content : < 0.1%.
- ✍ Alkali content : < 1.2% Na<sub>2</sub>O equiv.

### Other characteristics

- ✍ Colour : Light yellow.
- ✍ Freezing point : 0°C.
- ✍ Flash point : >100°C.
- ✍ Active ingredient : 25%.

### Packaging

- Bulk tanker loads (where appropriate).
- 1000 litre containers and 215 litre drums.

### Storage

The quality is guaranteed for 12 months starting from the manufacturing date provided the product is not altered with other chemicals. Do not mix with any other product. **CHRYSO® Cem-AEM** freezes at 0°C.

### Method of use

#### Applications

- ✍ Masonry type cements according to ENV 413-1.

#### Directions for use

**Dosage** : The dosage range is from 0.8kg to 2kg/ metric tonne of material to be ground. Industrial trials are required to determine the optimum dosage. Recommended initial dosage is 1.2kg/ metric tonne.

**Procedure** : Liquid admixture ready-to-use.

A dosing pump is required to introduce the correct dosage into the mill. **CHRYSO® Cem-AEM** may be introduced directly into the mill or onto the feed conveyor belt.

Our technicians are ready to provide advice and assistance in the use of **CHRYSO® Cem-AEM**.

### Precautions

**Health and Safety** : If **CHRYSO® Cem-AEM** comes into contact with skin, flush with water immediately.

**Fire** : **CHRYSO® Cem-AEM** is non flammable (F.P.>100°C).

**Cleaning** : Spillage of **CHRYSO® Cem-AEM** can be removed with water.

**Overdose** : Dosages in excess of 3kg/ metric tonne should be avoided.



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### SAFETY & TECHNICAL ASSISTANCE

CHRYSO® Cem-AEM is a product classified «irritating». Any contact with the eyes and skin can cause irritation. Whilst handling, it is compulsory to wear the normal industrial precautions (goggles, gloves and mask).

For further information, please refer to the safety data sheet on our web site [www.chryso-online.com](http://www.chryso-online.com)

Information contained in this document is given to the best of our knowledge and is based on extensive testing. In no event can it be considered as a warranty involving our liability in case of misapplication. A trial before application should ensure that the product conforms to the required conditions for use.

Our specialists will assist in solving any difficulties encountered by the user.

Please enquire for the latest up-date

Last up-date : 08/2003