

# CHRYSO®AL 810

Set retarding admixture

## DESCRIPTION

**CHRYSO®AL 810** is a new generation liquid set retarding plasticizing admixture, for concretes containing classic alumina cements or concretes with Alag cements (aluminous cements and synthetic alumina aggregates).

**CHRYSO®AL 810** maintains a high slump up to two hours and more, even with a hot climate of 35°C.

**CHRYSO®AL 810** is used to ensure good workability and set delay to guarantee easy preparation, transport and placing of aluminous cements.

## PACKAGING

- IBC 1000L
- Bulk delivery on request

## FIELDS OF APPLICATION

- Calcium Aluminate Cement

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## INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	18 months
Cl <sup>-</sup> ions content	≤ 0,100 %
Equivalent Content NA <sub>2</sub> O	≤ 0,50 %
Specific gravity	1,060 ± 0,020
pH	10,50 ± 2,00
Freezing Point	-1 °C
Dry extract (EN 480-8)	15,00 % ± 1,000
Dry Extract (SYNAD - IFSTTAR)	15,00 % ± 1,50

## METHOD OF USE

- Industrial trials are required to determine the optimum dosage.
- At a high dosage, the product may generate a light set retarding effect on some cement.
- This product is completely miscible in water.
- This product must be added to the mixing water before adding to the mixer.

### Recommended Dosage:

- Composition per m<sup>3</sup> of alumina cement concrete:
  - \* aluminous cement: 400 kg (minimum)
  - \* aggregates: local classic formula
  - \* w/c ratio equal to 0.4 (maximum)
  - \* CHRYSO® AL 810: 0.5 to 1% of the weight of cement or more, according to the workability needed.
- Composition per m<sup>3</sup> of Alag concrete:
  - \* aluminous cement: 515 kg
  - \* Thin Alag: 1030 kg
  - \* Thick Alag: 1030 kg
  - \* W/C ratio: 0.4
  - \* CHRYSO® AL 810: 0.3 to 0.7 % of the weight of cement.

## PRECAUTIONS

- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Protect from frost.
- Store in a temperate location.

## NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.

## SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.