

# CHRYSO® Optima CQ 265

New Generation, high range water reducing/  
superplasticizing admixture



## DESCRIPTION

**CHRYSO® Optima CQ 265** is a new generation superplasticizer high range water reducer, based on patented innovative polymers.

**CHRYSO® Optima CQ 265** is especially recommended for self compacting or high flow concrete requiring high early age and long term strengths, whilst maintaining the workability.

**CHRYSO® Optima CQ 265** enables the production of concrete with very low w/c ratios.

When used in low water/cement ratio or high fines content concrete such as Self Compacting Concrete (SCC), **CHRYSO® Optima CQ 265** allows for outstanding placeability and finishing properties.

## BENEFITS

- Enhances the workability retention of concrete in hot climates.
- Maintain fresh concrete workability without compromising the setting time.
- Thanks to its specifically designed molecular structure, **CHRYSO® Optima CQ 265** enables the concrete manufacturer to produce cohesive, low viscous SCC with long workability retention.
- The dispersion properties of **CHRYSO® Optima CQ 265** allow the user to optimise the cement content when a specified mechanical strength is required.

## PACKAGING

- IBC 1000L
- Bulk delivery on request

## FIELDS OF APPLICATION

**CHRYSO® Optima CQ 265** is recommended for all concrete mixes where low water content, improved cementitious material performance, high workability retention and very high strengths characteristics are desirable.

- All cement types
- Precast elements
- Prestressed concrete
- Ready-mix concrete
- Workability retention
- Self consolidating concrete
- Hot weather concreting
- Pumped concrete
- Plastic or fluid concretes
- High early and ultimate strength
- Concrete for highly reinforced structures

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### INDICATIVE INFORMATION

<b>Product Nature</b>	liquid
<b>Color</b>	Pale yellow
<b>Lifetime</b>	12 months
<b>Specific gravity</b>	1,090 ± 0,020
<b>pH</b>	4,50 ± 2,00

Cl<sup>-</sup> ion content: nil to EN 934 and BS 5075.

### METHOD OF USE

0.3 to 2.0 kg for 100 kg of cement.

- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.
- It can be added: - either within mixing water, or at the end of the mixing cycle (extra mixing time) - or gradually: part in the water before mixing, part during the mixing cycle.
- Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum of 3 minutes, at each speed).
- Dosage rates of **CHRYSO® Optima CQ 265** are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

### PRECAUTIONS

- Protect from frost.
- Use at a temperature above 0° C.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

#### Compatibility:

- **CHRYSO® Optima CQ 265** is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers and approved air entraining admixtures.
- **CHRYSO® Optima CQ 265** is compatible with other CHRYSO admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

### NORMATIVE AND REGULATORY INFORMATION

- This product conforms to ASTM C 494 Type A, F and G, and BSEN 934 2

### SAFETY

**CHRYSO® Optima CQ 265** is not considered dangerous to handle. Prior to any use, please read carefully the Material Safety Data Sheets.