# CHRYSO®Air 200 CQ

Air entraining admixture

Chryso Concrete

Solutions

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### DESCRIPTION

CHRYSO®Air 200.CQ is an air entraining agent which creates stable microscopic air bubbles in concrete and mortar.

CHRYSO® Air 200.CQ effectively protects concrete from frost/thaw cycles and the action of defrosting salts due to the spreading of particularly small size of air bubbles entrained and stabilized.

Using CHRYSO® Air 200.CQ prevents many compatibility problems between cement / sand / admixtures. Its highly effective action ensures its compatibility with all types of superplasticizers, and especially with CHRYSO®Optima and CHRYSO®Premia ranges.

#### **BENEFITS**

- CHRYSO®Air 200.CQ creates a matrix of stable, evenly . distributed air bubbles in both the fresh and hydrated concrete.
- In fresh concrete, CHRYSO®Air 200.CQ also has a plasticising effect. It limits the amount of segregation and reduces, or even eliminates, bleeding.

#### PACKAGING

- 210 L drum
- IBC 1000L

#### **FIELDS OF APPLICATION**

- All cement types .
- Airport runways .
- Motorway slabs •
- . Dams
- Reservoirs .
- **Civil Engineering** .
- Marine construction .
- Extruded concrete .
- Concrete exposed to freeze thaw
- Optimisation of coarse sand particle size distribution
- etc

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. www.chrysogulf.com CHRYSO Gulf LLC, P.O. Box 22849 - Doha - QATAR Tél.:(+974) 4450 0840 Fax:(+974) 44500830 e-mail:admin@chrysogulf.com



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#### **INDICATIVE INFORMATION**

Product Nature	liquid
Color	Light brown
Lifetime	18 months
Specific gravity	1,010 ± 0,020
рН	7,00 ± 2,00

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

#### METHOD OF USE

0.1 to 1.0 kg for 100 kg of cement.

- This product is completely miscible in water.
- 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.
- The dosage of an air entraining agent is dependent on the quantity of air required and on the different elements present in the concrete mix design.
- The preferred method (but not exclusive), is to add it to the mixing water before introducing into the concrete mixer.
- 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.
- Avoid prolonged exposure to high temperatures.
- 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® Air 200.CQ is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers.
- CHRYSO<sup>®</sup>Air 200.CO 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.

### SAFETY

CHRYSO® Air 200.CQ is not considered dangerous to handle. Prior to any use, please read carefully the Material Safety Data Sheets.

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