

CHRYSO® Air 220.CQ

Air entraining admixture



DESCRIPTION

CHRYSO® Air 220.CQ is an air entraining agent which creates stable microscopic air bubbles in concrete and mortar.

CHRYSO® Air 220.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 220.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 220.CQ** creates a matrix of stable, evenly distributed air bubbles in both the fresh and hydrated concrete.
- In fresh concrete, **CHRYSO® Air 220.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

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INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	18 months
Specific gravity	1,016 ± 0,020
pH	9,00 ± 2,00

Cl⁻ 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 220.CQ** is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers.
- **CHRYSO® Air 220.CQ** 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 220.CQ is not considered dangerous to handle. Prior to any use, please read carefully the Material Safety Data Sheets.