

# CHRYSO® Air G500

Air entraining admixture



## DESCRIPTION

**CHRYSO® Air G500** is an air entraining agent which creates stable microscopic air bubbles in concrete and mortar.

**CHRYSO® Air G500** 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 G500** 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 G500** creates a matrix of stable, evenly distributed air bubbles in both the fresh and hydrated concrete.

In fresh concrete, **CHRYSO® Air G500** 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

**CHRYSO® Air G500** is recommended for all concrete and mortar mixes where low density and entrained air are required.

- All cement types
- Motorway slabs
- Airport runways
- 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	Clear to Light Yellow
Lifetime	18 months
Cl <sup>-</sup> ions content	≤ 0,100 %
Equivalent Content NA <sub>2</sub> O	≤ 0,30 %
pH	8,50 ± 1,00
Dry extract (EN 480-8)	1,00 % ± 0,000
Dry Extract (SYNAD - IFSTTAR)	0,94 % ± 0,00
Specific gravity	1,000 ± 0,020

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 properties, the strength performances and factors acting on workability.
- 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 G500 is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers.
- CHRYSO® Air G500 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 CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to NF 085 certification, which technical specifications are those applied in the non harmonised part of NF EN 934-2.

## SAFETY

CHRYSO® Air G500 is not considered dangerous to handle. Prior to any use, please read carefully the Material Safety Data Sheets.