# CHRYSO® Air G500

## Air entraining admixture



CHRYSO® Air G500 is an air entraining agent which creates a stable network of microscopic air bubbles in concrete, when introduced in concrete. CHRYSO® Air G500 effectively protects concrete from frost/thaw cycles and the action of defrosting salts.

In fresh concrete, CHRYSO®Air G500 also has a plasticizing effect. It limits the amount of segregation and reduces, or even eliminates, bleeding.

Using CHRYSO® Air G500 prevents compatibility problems between cement/sand/admixtures. CHRYSO® Air G500 is also compatible with all types of superplasticizers.

### **Indicative characteristics**

- Nature: liquid Colour: Yellow
- Specific gravity (20°C): 1,000 ± 0,010
- pH: 8,50 ± 1,00
- Solid content (halogen): 0,70% ± 0,10% Solid content (EN 480-8): 0,80% ± 0,10%
- Na<sub>2</sub>O equivalent: ≤ 0,10% Cl⁻ ions content: ≤ 0,10% Freezing point: 0 °C Shelf life: 18 months

## Norms and regulations

- 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.

## **Domains of application**

- All cement types
- Concrete exposed to freeze thaw
- Extruded concrete
- Dams
- Motorway slabs
- Marine construction
- Civil Engineering
- Airport runways
- Reservoirs

#### **Precautions**

Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

## Method of use

Dosage: 0.1 to 1.0 kg for 100 kg of cement.

The targeted plasticity determines the quantity of water to be used.

This product is completely miscible in water.

This product must be added to the mixing 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.

### Safety

This product is classified as "harmless". In case of exposure, it is recommended to wear your protective equipment.

Before use, refer to the safety data sheet on our internet site www.chryso.com





it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our echnical assistance is at the disposal of the users.

flease enquire for the most recent version of the technical datasheet, available on www.chryso.com