

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): $1,000 \pm 0,010$
- pH: $8,50 \pm 1,00$
- Solid content (halogen): $0,70\% \pm 0,10\%$
- Solid content (EN 480-8): $0,80\% \pm 0,10\%$
- Na₂O equivalent: $\leq 0,10\%$
- Cl⁻ ions content: $\leq 0,10\%$
- 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