



Air entraining admixture



Description

CHRYSO® Air G100 is an air entraining agent which creates stable microscopic air bubbles in concrete and mortar.

CHRYSO® Air G100 effectively protects concrete from frost/thaw cycles and the action of defrosting salts.

In fresh concrete, CHRYSO® Air G100 also has a plasticising effect. It limits the amount of segregation and reduces, or even eliminates, bleeding.

Using CHRYSO® Air G100 prevents many compatibility problems between cement/sand/admixtures.

Its highly effective action ensures its compatibility with all types of superplasticizers, and especially with CHRYSO® Fluid Optima 100.

Domains of application

- All types of cement
- Concrete exposed to freeze thaw
- Extruded concrete
- Optimisation of coarse sand particle size distribution
- Dams
- Motorway slab
- Marine construction
- Airport runways
- Reservoirs

Method of use

Dosage: 0.04 to 0.60 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.

Indicative Characteristics

- Nature: liquid
- Colour: light yellow
- Freezing point: 0.°C
- Shelf life: 18 months

Specifications

- Specific gravity (20°C): 1,005 ± 0,005
- pH: 7,00 ± 1,00
- Solid content (EN 480-8): 3,50% ± 0,30%
- Solid content (24h-105°C): 3,50% ± 0,30%
- Na₂O equivalent: ≤ 0,50%
- Cl⁻ ions content: ≤ 0,10%

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
- Adresse AFNOR – 11, Avenue de Pressense – 93571 Saint Denis La Plaine Cedex

Precautions

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

Tests

Examples of results obtained according to the methods defined in the ISO 4848 certification concerning air content.

Tests carried out for equal consistency.

Construction sites references

Viaducts over motorway A85 (Ingrandes aka “La Perree” and Roumer), France.



INNOVATION IS OUR CHEMISTRY

CHRYSO® Air G 100

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Safety

CHRYSO® Air G 100 is classified as “harmless”. In case of exposure it is recommended to wear normal protective equipment.

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

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.

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