

# CHRYSO®Plast Omega 101

## Water reducing Plasticizing admixture



**CHRYSO®Plast Omega 101** is a new generation plasticizer. Its molecular structure has been especially designed to give it exceptional properties in the adjunction of common concrete.

**CHRYSO®Plast Omega 101** helps obtain very long workabilities at every level of consistency, compared to classical additives.

**CHRYSO®Plast Omega 101** has a large scale of dosage, which extends its use in a great range of concrete.

**CHRYSO®Plast Omega 101** results in a homogeneous concrete, without bleeding. With this innovative additive, the concrete obtained is cohesive and its viscosity is low, which helps to obtain better-looking facings.

Thanks to its characteristics, **CHRYSO®Plast Omega 101** is the appropriate additive for civil engineering building sites and the ready-to-use concrete industry.

### Indicative characteristics

- Nature: liquid
- Colour: Yellow
- Shelf life: 9 months

### Specifications

- Specific gravity (20° C):  $1,085 \pm 0,010$
- pH:  $7,50 \pm 1,00$
- Solid content (halogen):  $31,50\% \pm 1,10\%$
- Solid content (EN 480-8):  $31,50\% \pm 1,10\%$
- Na<sub>2</sub>O equivalent:  $\leq 2,00\%$
- Cl<sup>-</sup> ions content:  $\leq 0,10\%$

### 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 Pressensé - 93571 Saint Denis La Plaine Cedex

### Domains of application

- All cement types
- Pumped concrete
- Extended workability retention
- Ready-mix concrete
- Concrete for highly reinforced structures

### 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: 0.25 to 1.5 kg for 100 kg of cement.

A dosage from 0.3% to 0.5% of the product of the weight of cement is commonly used.

This product is completely miscible in water.

This product must be added to the mixing water or later on, on concrete.

Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum of 3 minutes, at each speed).



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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.

Dependant on application this product can be used in conjunction with some other CHRYSO® admixtures.

### Construction sites references

Sequedin prison, France: workability maintained for 150 mn for the matrixed surrounding walls and watchtowers.

Rueil-Malmaison interchange on the A86 west, France: matrix surfaces.

### 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](http://www.chryso.com)



The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those 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 technical assistance is at the disposal of the users. Please enquire for the most recent version of the technical data sheet, available on [www.chryso.com](http://www.chryso.com).

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