



# CHRYSO® Plast Omega 103

## Water - Reducing Plasticizer



### Description

**CHRYSO® Plast Omega 103** 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 103** helps obtain very long workabilities at every level of consistency, compared to classical admixtures.

**CHRYSO® Plast Omega 103** has a large scale of dosage, which extends its use in a great range of concrete.

**CHRYSO® Plast Omega 103** results in a homogeneous concrete, without bleeding. With this innovative admixture, the concrete obtained is cohesive and its viscosity is low, which helps to obtain better-looking facings.

Thanks to its characteristics, **CHRYSO® Plast Omega 103** is the appropriate additive for civil engineering building sites and the ready-to-use concrete industry.

### Characteristics

- Nature: liquid
- Colour: yellow
- Density (20 °C):  $1.085 \pm 0.010$
- pH:  $7.5 \pm 1.0$
- Cl<sup>-</sup> ions content:  $\leq 0.10\%$
- Na<sub>2</sub>O equivalent:  $\leq 2.00\%$
- Dry extract (halogen):  $31.5\% \pm 1.1\%$
- Dry extract (EN 480-8):  $31.5\% \pm 1.1\%$

### Packaging

- Bulk
- Drums of 60 L
- Barrels of 215 L
- Cubitainers of 1000 L

### Conformity

**CHRYSO® Plast Omega 103** is a plasticizer – water reducer which conforms to CE marking. The appropriate declaration can be found on our internet site.

**CHRYSO® Plast Omega 103** also conforms to NF 085 certification, which technical specifications are those applied in the non harmonized part of the **NF EN 934-2**.  
Adresse AFNOR – 11 avenue F. de Pressensé – 93571 Saint Denis La Plaine Cedex

### Application

#### Domains of application

- All types of cement
- Ready mixed concrete
- High workability concrete
- Pumped concrete
- Highly reinforced concrete

#### Method of use

Dosage: from 0.25 to 1.50 kg for 100 kg of cement.

A dosage between 0.3% and 0.5% of the product of the weight of cement is commonly used.

**CHRYSO® Plast Omega 103** is completely miscible in water. It can be added either to the water before mixing, or at the end of the mixing cycle. Should the product be added to fresh concrete and into the truck mixer, it is necessary to mix at high speed, for 1 minute per m<sup>3</sup> of concrete (with a total minimum of 6 minutes).

**CHRYSO® Plast Omega 103** can be used in synergy with the other **CHRYSO®** additives.

The optimum dosager of **CHRYSO® Plast Omega 103** can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required for concrete.

#### Precautions

- Should the product freeze, it will recover its properties after thawing and agitating.
- Shelf life: 9 months.



## CHRYSO<sup>®</sup> Plast Omega 103

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#### 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 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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