

CHRYSO®Optima 350

High range water reducing Super plasticizing admixture



CHRYSO®Optima 350 is a new generation superplasticizer. It is particularly recommended for ready-mix concrete and civil engineering construction sites.

CHRYSO®Optima 350 is intended to permit an important water reduction and/or increase the workability of fresh concrete. Thus, **CHRYSO®Optima 350** may be used in a large range of concrete.

CHRYSO®Optima 350 is particularly adapted to cement which require a high dosage of admixture, and therefore allow obtaining a long workability.

CHRYSO®Optima 350 is particularly adapted to SCC formulation.

Indicative characteristics

- Nature: liquid
- Colour: Amber
- Specific gravity (20°C): $1,040 \pm 0,020$
- pH: $6,50 \pm 1,00$
- Solid content (halogen): $20,00\% \pm 0,90\%$
- Solid content (EN 480-8): $20,00\% \pm 1,00\%$
- Na₂O equivalent: $\leq 1,00\%$
- Cl⁻ ions content: $\leq 0,10\%$
- Shelf life: 12 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

- Self consolidating concrete
- Slump flow superior to 50 mm
- Ready-mix concrete
- Civil Engineering
- High Performance Concrete - Very High Performance Concrete

Precautions

Protect from frost.

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: 0.3 to 3.0 kg for 100 kg of cement.

This product must be added to the mixing water.

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).

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.

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



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internet site www.chryso.com



The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing 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 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 datasheet, available on www.chryso.com

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