

CHRYSO®Optima 220

Water reducing Plasticizing admixture



CHRYSO®Optima 220 is a plasticizer – water reducer which works as a new generation superplasticizer, based on modified polycarboxylate.

CHRYSO®Optima 220 is particularly recommended for ready-mix concrete and civil engineering construction.

CHRYSO®Optima 220 intends to create a high water reduction and/or an increased period of workability retention. It allows the manufacture of concrete with a long workability retention, without set retarding effect. Thus, **CHRYSO®Optima 220** may be used in a large concrete range.

CHRYSO®Optima 220 is particularly adapted to homogeneous SCC formulations with a high filling capacity.

CHRYSO®Optima 220 is compatible with most cements.

Indicative characteristics

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

Specifications

- Specific gravity (20 °C): $1,050 \pm 0,020$
- pH: $5,00 \pm 1,00$
- Solid content (halogen): $21,60\% \pm 1,00\%$
- Solid content (EN 480-8): $21,80\% \pm 1,00\%$
- Na₂O equivalent: $\leq 1,00\%$
- Cl⁻ 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

- Self consolidating concrete
- Slump flow superior to 50 mm
- Ready-mix concrete
- Civil Engineering

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 2.0 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.



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

Safety

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

CHRYSO S.A.S. - 19 Place de la Résistance - 92446 Issy-les-Moulineaux cedex - FRANCE - Tel.: +33 (0)1 41 17 18 19 - Fax: +33 (0)1 41 17 18 80