

CHRYSO® Fluid Optima 203

Water reducing Plasticizing admixture



CHRYSO® Fluid Optima 203 is a new generation plasticizer – water reducer based on modified polycarboxylate, which works as a superplasticizer.

CHRYSO® Fluid Optima 203 is particularly formulated to maintain high workability with cement for which this specificity is difficult to obtain.

CHRYSO® Fluid Optima 203 is especially recommended for use in ready-mix concrete.

CHRYSO® Fluid Optima 203 is suitable for use in homogeneous self-compacting concrete.

Indicative characteristics

- Nature: liquid
- Colour: Green-brown
- Shelf life: 12 months

Specifications

- Specific gravity (20°C): $1,040 \pm 0,010$
- pH: $7,00 \pm 2,00$
- Solid content (halogen): $21,50\% \pm 1,00\%$
- Solid content (EN 480-8): $21,70\% \pm 1,00\%$
- 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.
- This product conforms to the ASTM C 494 - Types A/F/G norm.
- Adresse AFNOR - 11, Avenue de Pressensé - 93571 Saint Denis La Plaine Cedex

Domains of application

- Self consolidating concrete
- Slump flow between 50 and 210 mm
- Ready-mix concrete
- High Performance Concrete - Very High Performance Concrete

Precautions

Protect from frost.

Avoid prolonged exposure to high temperatures. 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 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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Construction sites references

Nancy Creek Tunnel in Atlanta, USA: pumped concrete, transported by train and pumped again, for a waste-water tunnel.

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.

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