

CHRYSO®Optima 185

High range water reducing Super plasticizing admixture



CHRYSO®Optima 185 is a new generation superplasticizer based on polycarboxylate and modified phosphonate.

Thanks to its specifically designed molecular structure, **CHRYSO®Optima 185** enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention.

CHRYSO®Optima 185 allows concrete with an important workability to be obtained, while reducing the water/cement ratio.

CHRYSO®Optima 185 has been developed to maintain fresh concrete workability without compromising the setting time.

On account of all these characteristics, **CHRYSO®Optima 185** is a superplasticizer which is particularly adapted for use on construction sites and in the ready-mix concrete industry.

Indicative characteristics

- Nature: liquid
- Colour: Yellow
- Shelf life: 12 months

Specifications

- Specific gravity (20 C°): $1,050 \pm 0,020$
- pH: $5,00 \pm 1,00$
- Solid content (halogen): $23,60\% \pm 1,10\%$
- Solid content (EN 480-8): $24,30\% \pm 1,20\%$
- Na₂O equivalent: $\leq 0,50\%$
- 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

- All cement types
- Slump flow between 50 and 210 mm
- Pumped concrete
- Ready-mix concrete
- Job sites
- Industrial slabs
- Civil Engineering
- White or plain concretes
- Concrete for highly reinforced structures
- 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.

A 1.0% dosage of the product of the weight of cement is commonly used.



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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).

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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