

## CHRYSO®Fluid Optima 203

Water reducing plasticiser



**Chryso**  
Concrete  
Solutions

17/10/2024

### DESCRIPTION

- 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.

### BENEFITS

- 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.

### PHYSICAL and CHEMICAL PROPERTIES

Product Nature	Liquid
Color	Light brown
Lifetime	12 months
Halogen Dry Extract	19,50 % ± 2,00
Cl <sup>-</sup> Ions content	≤ 0,100 %
Equivalent Content NA <sub>2</sub> O	≤ 1,00 %
pH	6,00 ± 1,00
Dry extract (EN 480-8)	19,50 % ± 2,000
Specific Gravity	1.035 ± 2
Viscosity	10 - 20 secs (Ford #4 Cup)

#### Standards

- 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.

### PACKAGING

- 25 ℓ jerry can
- 200 ℓ drum
- 1000 ℓ flow bin
- Bulk delivery on request

### METHOD OF USE

#### Domains of application

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

#### 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).

### 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.

### SITE REFERENCES

#### 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](http://www.chryso.com).
- Prior to any use, please read carefully the Material Safety Data Sheets.

## TECHNICAL DATA SHEET

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The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. [za.chryso.com](http://za.chryso.com)  
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