

CHRYSO®Optima 380

Water reducing Plasticizing admixture



CHRYSO®Optima 380 is a new generation plasticizer – water reducer based on modified polycarboxylate, which works as a superplasticizer.

It is particularly recommended for ready-mix concrete and civil engineering construction sites.

CHRYSO®Optima 380 is intended to permit an important water reduction and/or increase the workability of fresh concrete. Thus, **CHRYSO®Optima 380** may be used in a large range of concrete.

CHRYSO®Optima 380 is particularly adapted to obtain high workability retention with cement which can hardly obtain such characteristics.

CHRYSO®Optima 380 is particularly adapted to SCC formulation.

Indicative characteristics

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

Specifications

- Specific gravity (20 °C): $1,040 \pm 0,020$
- pH: $6,50 \pm 1,00$
- Solid content (halogen): $20,00\% \pm 1,00\%$
- Solid content (EN 480-8): $20,50\% \pm 1,00\%$
- 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.

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 or at the end of the mixing cycle.

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.

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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 internet site www.chryso.com

