



CHRYSO®Optima 296

Superplasticiser - High Range Water Reducer

Description

CHRYSO®Optima 296 is a superplasticiser – high range water reducer of the latest generation, using breakthrough technology.

CHRYSO®Optima 296 provides a high water reduction and/or a significant workability improvement.

CHRYSO®Optima 296 makes it possible to fine-tune the workability retention without major variation of the initial slump, over a range of dosages, according to the needs. When the dosage is high within the defined range, the concrete exhibits a long workability retention, without set retarding effect.

CHRYSO®Optima 296 can be used for a wide range of concretes. It is particularly recommended for ready-mix concrete and civil engineering construction.

CHRYSO®Optima 296 is particularly suited to manufacture homogeneous Self Compacting Concrete, with high filling capacity.

CHRYSO®Optima 296 is compatible with most cements.

Characteristics

- Nature – liquid
- Colour – brown - black
- Density at 20°C: 1.045 ± 0.02
- pH: 5.0 ± 1.0
- Cl^- ions content: $\leq 0.10\%$
- Na O equivalent $\leq 2.0\%$
- Dry extract (halogen) – $19.5\% \pm 1.5\%$

Application

Domains of application

- Ready-mix concrete
- Civil engineering
- High Performance and Very High Performance Concrete
- Plastic to very fluid concrete
- Self-compacting concrete

Method of use

Dosage: 0.4 to 2.5kg for 100kg cement.

CHRYSO®Optima 296 must be added to the mixing water.

Should the product be added to fresh concrete and into the truck mixer it is necessary to mix at high speed for 1 minute per m^3 of concrete (with a total minimum of 6 minutes).

The optimum dosage of CHRYSO®Optima 296 should be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required for concrete.

Depending on the application, it is possible to use CHRYSO®Optima 296 in combination with other CHRYSO®admixtures.

Precautions

- Store away from frost.
- Should the product freeze, it will recover its properties after thawing and agitation.
- Shelf life: 12 months.



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Safety

CHRYSO® Optima 296 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 website www.chryso.com

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.

“Please enquire for the latest update”.

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