

CHRYSO®Quad 850S

New Generation, high range water reducing/
superplasticizing admixture



CHRYSO
CONCRETE
SOLUTIONS

24/04/2024

DESCRIPTION

CHRYSO®Quad 850S is a new generation superplasticizer with very high-water reduction capability based on latest molecular synthesis technology from **CHRYSO®** Synthesis Molecules.

CHRYSO®Quad 850S has been developed for fine aggregates that have high clay/silt content, and to maintain fresh concrete that helps to keep enough slump retention, which is not possible with a normal admixture. It can be used also with normal sands and aggregates.

Thanks to its specifically designed molecular structure, **CHRYSO®Quad 850S** enables the concrete manufacturer to produce cohesive, low viscous concrete and long workability retention.

CHRYSO®Quad 850S enables the production of flowable/self-leveling concrete.



BENEFITS

- **CHRYSO®Optima 850S** allows concrete with an important workability to be obtained, while reducing strongly the water/cement ratio.
- Enhances the workability retention of concrete particularly in hot climates.
- The dispersion properties of **CHRYSO®Quad 850S** allow the user to optimise the cement content when a specified mechanical strength is required.

FIELDS OF APPLICATION

- Ready-mix concrete
- All cement types
- Reinforced concrete
- High Performance Concrete - Very High Performance Concrete

CHARACTERISTICS

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. www.chryso.ph
CHRYSO PHILIPPINES INC. 17 Main Ave. Severina Industrial Estate, ACSIE Comp. Km 16, West Service Rd. 1700 Paranaque City. Tél.:(+632) 823-1568 Fax:(+632) 823-6492

METHOD OF USE

- 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.
- This product is compatible with any CHRYSO® admixture.

The use of this admixture must be confirmed by a CHRYSO Quad Lab diagnosis. Contact your CHRYSO representative for more information.

Dosage :

0.05 to 3.0 kg for 100 kg of cement.

PRECAUTIONS

- Protect from frost.
- Use at a temperature above 0° C.
- Should the product freeze, some crystals may appear, which will disappear after agitating or when the temperature is positive again.
- Store in plastic containers, PVC excluded.

SAFETY



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SPECIFICATIONS

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Specific gravity	1,100 ± 0,020
pH	8,00 ± 2,00

Prior to any use, please read carefully the Material Safety Data Sheets.

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.

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