

CHRYSO®Quad 230S

High range water reducing Super plasticizing admixture

DESCRIPTION

CHRYSO®Quad 230S is a new generation superplasticizer with very high-water reduction capability based on latest molecular synthesis technology from CHRYSO® Synthesis Molecules.

CHRYSO®Quad 230S 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.

CHRYSO®Optima 230S has been developed to maintain fresh concrete workability without compromising the setting time.

CHRYSO®Quad 230S enables the production of flowable/self-leveling concrete.



BENEFITS

- **CHRYSO®Optima 230S** allows concrete with an important workability to be obtained, while reducing strongly the water/cement ratio.
- The dispersion properties of **CHRYSO®Quad 230S** allow the user to optimise the cement content when a specified mechanical strength is required.
- Enhances the workability retention of concrete particularly in hot climates.

FIELDS OF APPLICATION

- Ready-mix concrete
- All cement types
- Marine construction
- Reinforced concrete
- High performance Concrete - Very High Performance Concrete - Ultra High Performance Concrete
- Plastic or fluid concretes
- White or grey smooth concrete

CHARACTERISTICS

SPECIFICATIONS

Product Nature	liquid
Color	Dark brown

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.
- A 1.0% dosage of the product of the weight of cement is commonly used.
- **CHRYSO®Quad 230S** can be added to the water before mixing the concrete. However, it can be added to the concrete after mixing.
- Dosage rates of **CHRYSO®Quad 230S** are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.
- Because local job conditions vary, please contact your local **CHRYSO** sales representative for further assistance if using outside recommended dosage ranges.

Dosage :

0.5 to 3.0 kg for 100 kg of cement.

PRECAUTIONS

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

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Lifetime	12 months
Specific gravity	1,130 ± 0,020
pH	6,00 ± 2,00

- Store in plastic containers, PVC excluded.

SAFETY

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.