

CHRYSO®Quad 210S

High range water reducing Super plasticizing admixture

DESCRIPTION

CHRYSO®Quad 210S is a new generation superplasticizer with very high water reduction capability based on latest molecular synthesis technology from **CHRYSO®** Synthesis Molecules.

CHRYSO®Quad 210S has been developed for fine aggregates that have high clay/silt content, and to maintain fresh concrete that helps to keep enough slump retention with high early strength development, 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 210S** enables the concrete manufacturer to produce cohesive, low viscous concrete with high early strength development.

CHRYSO®Quad 210S enables the production of flowable/selfleveling concrete.



BENEFITS

- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths.
- Enhances the workability retention of concrete particularly in hot climates.
- The dispersion properties of **CHRYSO®Quad 210S** allow the user to optimise the cement content when a specified mechanical strength is required.
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FIELDS OF APPLICATION

- All cement types
- Prestressed concrete
- Precast
- High early age strength
- Concrete for highly reinforced structures

CHARACTERISTICS

Product Nature	liquid
Color	Brown
Lifetime	12 months
Specific gravity	1,050 ± 0,015

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.

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

Dosage :

0.5 to 3.0 kg for 100 kg of cement.

PRECAUTIONS

- Protect from frost.
- Store in plastic containers, PVC excluded.
- Use at a temperature above 0° C.

SAFETY

CHRYSO®Quad 210S is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

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

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pH	6,00 ± 2,00
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NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to ASTM 494 Type A, E and F, and BS EN 934-2.

PACKAGING

- 1000 L IBC
- 200 L drum
- 20 L bucket