

CHRYSO® Delta 5S

Set retarding admixture

DESCRIPTION

CHRYSO®Delta 5S slows down the hydration of cement by momentarily blocking the surface of the cement particles. At the end of setting, the concrete hardens rapidly and higher compressive strength is obtained after 28 days.

CHRYSO®Delta 5S has no surface tension effects. Its use in concrete modifies in no way the consistency of concrete.

CHRYSO®Delta 5S can be used simultaneously with high range water reducing superplasticizers.

BENEFITS

CHRYSO®Delta 5S is used to adjust the workability retention and initial workability being fine-tuned thanks to the ultra / high range water reducing admixture.

CHRYSO®Delta 5S can therefore be used for a wide range of concretes.

CHRYSO®Delta 5S is the perfect solution in case of remote jobsite or heavy traffic, as well as temperature changes.

CHRYSO®Delta 5S makes it possible to avoid re-tempering at the delivery point.

CHRYSO®Delta 5S is particularly suited for cements for which workability retention is difficult to get and/or at high temperature.

METHOD OF USE

- This product is completely miscible in water.
- This product must be added to the mixing water before adding to the mixer.
- 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.

Between 0.10 and 1.2 kg per 100 kg of cement. A 0.8% dosage of the product to the weight of cement is commonly used.

- The optimum dosage of **CHRYSO®Delta 5S** can only be established after trial tests, taking into account local conditions, materials and specification requirements.

- **CHRYSO®Delta 5S** can be added at the concrete plant or on the job site. In case of addition in a mixing truck, it is recommended that the concrete be mixed at high speed for 1 minute per cubic yard of concrete (with a minimum of 6 min.)

- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

Dosage :

0.10 to 2.00 kg for 100 kg of cement

PRECAUTIONS

- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Avoid prolonged exposure to high temperatures.
- Protect from frost.

FIELDS OF APPLICATION

- All cement types
- Ready-mix concrete
- Concrete with workability retention
- Plastic or fluid concretes

CHARACTERISTICS

Product Nature	liquid
Color	Dark brown
Lifetime	12 months
Specific gravity	1,030 ± 0,020
pH	7,00 ± 2,00

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

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TEST SITE

PACKAGING

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

NORMATIVE AND REGULATORY INFORMATION

- 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.

SAFETY

CHRYSO®Delta 5S is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.