

TECHNICAL DATA SHEET

CHRYSO®Tard 100S

Set retarding admixture



Chryso
Concrete
Solutions

10/10/2024

DESCRIPTION

CHRYSO®Tard 100S 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. It is suitable for roller compacted concrete structures

CHRYSO®Tard 100S has no surface tension effects. Its use in concrete modifies in no way the consistency of concrete.

CHRYSO®Tard 100S can be used simultaneously with high range water reducing superplasticizers.

BENEFITS

CHRYSO®Tard 100S is used to adjust the workability retention and initial workability being fine-tuned thanks to the ultra / high range water reducing admixture.

CHRYSO®Tard 100S can therefore be used for a wide range of concretes.

CHRYSO®Tard 100S is the perfect solution in case of remote jobsite or heavy traffic, as well as temperature changes.

CHRYSO®Tard 100S makes it possible to avoid re-tempering at the delivery point.

CHRYSO®Tard 100S is particularly suited for cements for which workability retention is difficult to get and/or at high temperature.

FIELDS OF APPLICATION

- Piles
- All cement types
- Plastic or fluid concretes
- Concrete with workability retention
- Prestressed concrete
- Ready-mix concrete
- Dams
- Precast elements

CHARACTERISTICS

Product Nature	liquid
Color	Colourless
Lifetime	12 months
Specific gravity	1,140 ± 0,020
pH	7,50 ± 2,00

METHOD OF USE

- For other dosages, consult us.
- This product is completely miscible in water.
- 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 must be added to the mixing water or later on, on concrete.
- Between 0.10 and 1.0kg per 100 kg of cement. A 0.7% dosage of the product to the weight of cement is commonly used.
- The optimum dosage of **CHRYSO®Tard 100S** can only be established after trial tests, taking into account local conditions, materials and specification requirements.
- **CHRYSO®Tard 100S** 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 :

0.1 to 1.0 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.

SAFETY

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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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.

PACKAGING

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

CHRYSO®Tard 100S is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.