TECHNICAL DATA SHEET

CHRYSO®Tard 50S

Set retarding admixture

Chryso Concrete Solutions

04/11/2026

DESCRIPTION

CHRYSO®Tard 50S 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®Tard 50S has no surface tension effects. Its use in concrete modifies in no way the consistency of concrete.

CHRYSO®Tard 50S can be used simultaneously with high range water reducing superplasticizers.

BENEFITS

- **CHRYSO®Tard 50S** is used to adjust the workability retention and initial workability being fine-tuned thanks to the ultra / high range water reducing admixture.
- **CHRYSO®Tard 50S** can therefore be used for a wide range of concretes.
- **CHRYSO®Tard 50S** is the perfect solution in case of remote jobsite or heavy traffic, as well as temperature changes.
- **CHRYSO®Tard 50S** makes it possible to avoid re-tempering at the delivery point.
- **CHRYSO®Tard 50S** is particularly suited for cements for which workability retention is difficult to get and/or at high temperature.

FIELDS OF APPLICATION

- All cement types
- Workability retention
- Concrete with workability retention
- Ready-mix concrete
- Prestressed concrete
- Piles
- Precast elements

CHARACTERISTICS

SPECIFICATIONS

Product Nature	Liquid
Color	Colourless
Lifetime	12 months
Specific gravity	1,080 ± 0,020

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.

The retarding effect of CHRYSO®Tard CHR is proportional to the dosage used.

Dosage :

0.1 to 1.5 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.
- Should the product freeze, some crystals may appear, which will disappear after agitating or when the temperature is positive again.
- Avoid prolonged exposure to high temperatures.

SAFETY

CHRYSO®Tard 50S is not considered dangerous to handle. Please refer to the material safety data sheet for additional information. Prior to any use, please read carefully the Material Safety Data Sheets.

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 con ducted 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. Block 8 Lot 9 Southwoods Industrial Park Carmona Cavite Tel.:+63 46 481 0490 to 91

chryso SAINT-GOBAIN

CHRYSO®Tard 50S

Set retarding admixture

pH	9,00 ± 2,00

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.

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 con ducted 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. Block 8 Lot 9 Southwoods Industrial Park Carmona Cavite Tel.:+63 46 481 0490 to 91