

TECHNICAL DATA SHEET

Chryso Tard CHR

Set retarding admixture



Chryso
Concrete
Solutions

10/10/2024

DESCRIPTION

CHRYSO®Tard CHR slows down cement hydration by momentarily blocking the surface of the cement particles. At the end of setting, concrete hardens rapidly and high compressive strength are obtained after 28 days. CHRYSO®Tard CHR has no surface tension effects.

Its use in concrete does not modify the consistency of concrete in any way. CHRYSO®Tard CHR can be used simultaneously with high range water reducing superplasticizers.

FIELDS OF APPLICATION

- All cement types
- Hot weather concreting

INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	18 månader
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content NA ₂ O	≤ 0,50 %
Specific gravity	1,060 ± 0,010
pH	10,50 ± 1,00
Freezing Point	-1 °C
Dry extract (EN 480-8)	15,00 % ± 1,000
Dry Extract (SYNAD - IFSTTAR)	15,00 % ± 1,50

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.
- This product conforms to ASTM C 494 -Type B.

TEST SITE

Example of results obtained according to the methods defined in the NF-EN 480-1 European certification. Type of concrete: type 1 concrete with CEM I grade 52.5 N (SSB: 3200 - 4000 cm²/g and C³A: 7-11%).

METHOD OF USE

- 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 mixer with the mixing water. The retarding effect of CHRYSO®Tard CHR is proportional to the dosage used.

Dosage:

0.2 to 1.0 kg for 100 kg of cement.

SITE REFERENCES

Cairo Metro, Egypt. Channel Tunnel, France-United Kingdom. Waste-water treatment plant of Le Havre, France: vibrated or self-compacting concrete for the moulded walls, compressive slabs, walls, ... TGV Milan - Naples (knot of Bologna), Italy: ring segments. Thrush Cape Harbour, Martinique: quays subject to violent climatic and seismic conditions, and pushes.

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.