TECHNICAL DATA SHEET

CHRYSO®Tard CHR

Set retarding admixture

Chryso Concrete Solutions

05/12/2024

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.

PACKAGING

- IBC 1000L
- Bulk delivery on request

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 C^3A: 7-11%).

FIELDS OF APPLICATION

- All cement types
- Dams
- Foundation concrete
- Mass concrete, tile mortar
- Piles
- Ready-mix concrete
- Extended workability retention
- Hot weather concreting
- Pumped concrete
- Self levelling concrete
- Plastic or fluid concretes
- etc

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INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	18 months
Cl^- Ions content	≤ 0,100 %
Equivalent Content NA_2O	≤ 0,50 %
Specific gravity	1,063 ± 0,020
pH	6,50 ± 2,00
Freezing Point	-1 °C
Dry extract (EN 480-8)	15,00 % ± 1,000
Dry Extract (SYNAD - IFSTTAR)	15,00 % ± 1,50

Cl^- ion content: nil to EN 934 and BS 5075.

METHOD OF USE

0.2 to 1.0 kg for 100 kg of cement.

- 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.

PRECAUTIONS

- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Protect from frost.
- Use at a temperature above 0° C.
- Store in a temperate location.

Compatibility:

CHRYSO®Tard CHR is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, fibers and approved air entraining admixtures.

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.

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

CHRYSO®Tard CHR is not considered dangerous to handle.
Prior to any use, please read carefully the Material Safety Data Sheets.

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