

# CHRYSO® Premia S5118

High range water reducing Super plasticizing admixture

## DESCRIPTION

CHRYSO®Premia S5118 is a new generation superplasticizer based on POLYCARBOXYLIC ETHER. It is particularly recommended for precast concrete requiring high short and long-term compressive strengths even at low temperature.

### Domains of application

- All cement types
- Self Consolidating Concrete
- Pre-stressed, Precast Concrete
- Concrete with moderate to high SCM
- Low Temperature Concreting.
- High early strength & Ultra high performance concrete

## BENEFITS

Thanks to specifically designed molecular structure, CHRYSO® Premia S5118 enables the concrete manufacturer to produce fresh concrete with dynamic properties that improve filling ability, develops high early mechanical strength, reduces time of demoulding, lifting of segments, and pre-stressing or saves energy by decreasing steam curing temperature. Works even at a very low water / cementitious ratio. When used in specially formulated concrete, gives hard concrete a first class finish. For any mix, keeping the cement consumption and workability constant, substantial reduction in the amount of mixing water can be achieved, to produce concrete of high compressive strength. Alternatively, for the same concrete mix, keeping everything else constant, a definite economy in cement content, can be achieved.

## INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	12 months
Cl <sup>-</sup> ions content	<= 0,200 %
Specific gravity	1,105 ± 0,020
pH	7,00 ± 1,00

## TEST SITE

## METHOD OF USE

For maximum dispersion throughout the mix, CHRYSO® Premia S5118 should be added to the mixing water only. Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum 3 minutes at each speed)Optimum dosage can only be established after trials, taking into account the rheological characteristics and the required mechanical performances.

### Dosage :

Rate of addition is generally in the range of 0.2-1.5% by wt of Cement and cementitious material.

### Implementation :

**Guideline Followed : IS: 9103-2007 and ASTM C-494-1981(Type-F).**

## PRECAUTIONS

- Do not mix with other products without advice from manufacturers.
- Protect from heat.
- Shelf life information only applies to product stored in genuine packaging.

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire or health hazards.

Packing :: 225 Kg Drum , 1000 Kg IBC & Bulk

## SAFETY

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