

CHRYSO® HP 6180



Water Reducing Super Plasticizing Admixture

Description

CHRYSO®HP 6180 is a superplasticizer based on modified sulfonated polynaphthalene. It is a powerful dispersant of the fine active particles in concrete which results in plastic/workable concrete with a reduced W/C ratio. The use of CHRYSO®HP 6180 is particularly recommended for Jobsite concrete requiring workable to highly workable homogenous concrete with fairly good workability retention over a period.

Indicative characteristics

- Form : Brown liquid
- Specific Gravity : 1.20 ± 0.02
- Air entrainment : ≤ 1.5 % over control mix.
- pH : ≥ 6
- Chloride Content : Nil, as per BS - 5075 (Part-I)
- Compatibility : OPC, Fly Ash, PSC, PPC, SRC

ADVANTAGES :

CHRYSO®HP 6180 produces cohesive concrete for jobsite application primarily and is particularly useful for high volume crushed sand mixes. It promotes excellent dispersion of the particles in cement resulting easier placing of concrete. At constant plasticity, it produces a substantial reduction of quantity of mixing water (up to 25%), an increase of the compacity of concrete, higher mechanical strengths at all ages. At constant W/C ratio, it helps to obtain fluid concrete. CHRYSO®HP 6180 is well compatible with most of the major cement brands available in India. For the same concrete mix, keeping everything else constant, *a definite economy in cement content*, ranging from 15% to 20%, can be achieved.

Domains of application

- All cement types
- Pumped Concrete for Jobsites
- Highly Reinforced Concrete
- High Performance Fluid Concrete

Precautions

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.

Method of use

Dosage: Optimum dosage can only be established after trials, taking into account the rheological characteristics and the required mechanical performances. Rate of addition is generally in the range of 0.5-2.0 % by wt of cementitious material. For maximum dispersion throughout the mix, CHRYSO® HP 6180 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)

Guideline Followed :

IS: 9103-2007 and ASTM C-494-2010(Type-G).

Shelf Life: If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Packaging

- 250 Kgs Barrel & bulk in 10/15 KL tanker

Safety

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.chryso.com.