

CHRYSO® Delta D717WP

New Generation Plasticizing & Integral Waterproofing Admixture



Description

CHRYSO® Delta D717WP is a new generation polycarboxylate ether based multi range plasticizer based on expertise polymers technology. To provide ;

- A wide scale of dosage
- A moderate water reduction
- Better flow & retention
- Homogenous concrete
- Integral water proofing

Indicative characteristics

- Main Ingredient : Polycarboxylate
- Appearance : Brownish liquid
- Specific Gravity : 1.02 ± 0.02
- Air entrainment : ≤ 1.5 % over control mix.
- pH : > 6
- Chloride Content : Nil, as per BS - 5075 (Part-I)
- Compatibility : OPC, PSC, PPC, and SRC.

ADVANTAGES :

Thanks to specifically designed molecular structure, CHRYSO® Delta D717WP has a great flexibility; thanks to its large scale of dosage, it can be used in great range of concrete with desired fluidity & workability retention. It allows optimization of dosage of cement in order to obtain a specific class of resistance. At equal plasticity, and after reducing mixing water:

- Concrete compacity is improved,
- Capillary absorption is reduced

Depending on dosage, a relative increase of mechanical strength is observed at 24 hours & is a great advantage over Old generation available Admixtures in the market.

For any mix, keeping the cement consumption and workability constant, substantial reduction in the amount of mixing can be achieved or use of dosage upto certain limit can act as a high range superplasticizer, 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.

Domains of application

- All cement and cementitious types
- Single admixture for wide range of concrete
- Concrete using moderate to high SCM
- To make regular concrete better
- Water retaining structures
- Concrete Permiability reduction

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 0.4-2.0 % by wt of cement and cementitious material.

For maximum dispersion throughout the mix, CHRYSO® Delta D717WP 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 . IS 2645:2003 and ASTM C-494-1981(Type-F).

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

Packaging

- 200 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.