

# CHRYSO® Delta G7122

**New Generation High Range Super Plasticizing Admixture**



## Description

CHRYSO® Delta G7122 is a new generation polycarboxylate ether based multi range super plasticizer based on expertise hybrid polymers technology. To provide;

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

## Indicative characteristics

- Main Ingredient : Modified Polycarboxylate
- Appearance : Brown liquid
- Specific Gravity : 1.057 ± 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 G7122 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
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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 water 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

## 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 0.4-1.5% by wt of cement and cementitious material.

For maximum dispersion throughout the mix, CHRYSO® Delta G7122 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-494-1981 (Type-G).**

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

## Packaging

- 225 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](http://www.chryso.com).

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website [www.chryso.com](http://www.chryso.com)

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