



# CHRYSO® Delta G712

## High Range New Generation Super Plasticizing Admixture

### DESCRIPTION:

CHRYSO® Delta G712 is a new generation 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

### ADVANTAGES :

Thanks to specifically designed molecular structure, CHRYSO® Delta G712 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. Retention period can be achieved upto 3 hrs with dosage variation. 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 water (up to 25%) 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*, around 20%, can be achieved.

### CHARACTERISTICS :

■ Main Ingredient	:	Modified Polycarboxylate
■ Appearance	:	Straw yellow to brown liquid
■ Specific Gravity	:	1.075 ± 0.02
■ pH	:	≥ 6
■ Chloride Content	:	Nil, as per BS - 5075 (Part-I)
■ Compatibility	:	OPC, PSC, PPC, and SRC.

### APPLICATION :

#### Domains of application

- All cement and cementitious material.
- Esp. for Ready Mix Concrete
- 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 0.4-2.0% by wt of Cement and cementitious material.

For maximum dispersion throughout the mix, CHRYSO® Delta G712 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)

### NORMS AND REGULATIONS :

CHRYSO® Delta G712 conforms to 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 20 Kg tanker

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## *New Generation Plasticizing Admixture*

### **SAFETY:**

This product is classified as "harmless". In case of exposure, it is recommended to wear your protective equipment.

Before use, refer to the safety data sheet on our internet site [www.chryso.com](http://www.chryso.com).

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