

# CHRYSO® Delta D872

## New Generation Admixture for Concrete



### Description

CHRYSO® Delta D872 is a new generation multi range Admixture based on expertise hybrid Poly Carboxylate polymers technology.

To provide,

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

### Indicative characteristics

- Form : Light Amber Liquid
- Specific Gravity :  $1.10 \pm 0.02$
- Air entrainment :  $\leq 1.5\%$  over control mix.
- pH :  $\geq 6$
- Chloride Content : Nil, as per BS - 5075 (Part-I)
- Compatibility : OPC, PSC, PPC, and SRC

### ADVANTAGES :

Thanks to specifically designed molecular structure, CHRYSO® Delta D872 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 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.

### Domains of application

- All cement types
- 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 0.5-1.5% by wt of cementitious material. For maximum dispersion throughout the mix, CHRYSO® Delta D872 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 6 months.

### Packaging

- 225 Kgs Barrel & bulk in 10 KL tanker

### Safety

Before use, refer to the Material Safety Data Sheet. The MSDS is available on [www.chryso.com](http://www.chryso.com).