TECHNICAL DATA SHEET

CHRYSO CONCRETE SOLUTIONS

02/06/2024

CHRYSO®Delta G9414

High Range Water Reducing Admixture

DESCRIPTION

CHRYSO® Delta G9414 is a new generation polycarboxylate ether based multi range plasticizer based on expertise hybrid polymers technology.

To provide;

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

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.

BENEFITS

Thanks to specifically designed molecular structure, **CHRYSO® Delta G9414** 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 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.

INDICATIVE INFORMATION

Product Nature	liquid
Color	Light Amber
Lifetime	12 months
Cl^- Ions content	≤ 0,200 %
Specific gravity	1,100 ± 0,020
pH	7,00 ± 1,00

METHOD OF USE

Dosage :: Optimum dosage can only be established after trials, taking into account the rheological characteristics and the required mechanical performances. For maximum dispersion throughout the mix, **CHRYSO® Delta G9414** 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)

Dosage :

Rate of addition is generally in the range of 0.4-2.0% by wt of cement and cementitious material.

Implementation :

Guideline Followed:IS: 9103-2007 and ASTM C-494-1981(Type-F &Type-G).

PRECAUTIONS

- Protect from heat.
- Protect from humidity.

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.

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However,it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

CHRYSO SAINT-GOBAIN