

**CHRYSO® Optima 1317**

High range water reducing Super plasticizing admixture

**DESCRIPTION**

CHRYSO® Optima 1317 is a new generation superplasticizer based on POLYCARBOXYLIC ETHER. It allows concrete to achieve targeted workability, while reducing water / cement ratio. It is developed to maintain fresh concrete workability without compromising setting time. CHRYSO® Optima 1317 is especially adapted for Ready Mix Concrete and flow concrete which improves early and later strengths.

- Ø All cement and cementitious types
- Ø Pumped concrete
- Ø SCC Concrete
- Ø Workability retention
- Ø Ready mix concrete
- Ø Concrete for highly reinforced structures
- Ø High performance concrete

**BENEFITS**

CHRYSO® Optima 1317 enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention. Thereby green concrete can be hauled for longer distances and still be placed conveniently around congested reinforcement. High water reduction minimizes shrinkage crack to make better surface finish. For a given concrete mix, keeping the cement consumption and workability constant, substantial reduction in the amount of mixing water can be achieved, to produce concrete of high compressive strength. Alternatively, for the same concrete mix, keeping everything else constant, a definite reduction in cement content, can be achieved.

**METHOD OF USE**

Optimum dosage can only be established after trials, considering the rheological characteristics and the required mechanical performances. For maximum dispersion throughout the mix, CHRYSO® Optima 1317 should be added to the mixing water only. When the product to 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 0.3-1.5% by weight of Cement and cementitious material.

**Implementation :**

IS: 9103-2007 and ASTM C-494-1981(Type-G)

**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.

**INDICATIVE INFORMATION**

<b>Product Nature</b>	liquid
<b>Color</b>	Pale yellow
<b>Lifetime</b>	12 months
<b>Cl<sup>-</sup> Ions content</b>	≤ 0,200 %
<b>Specific gravity</b>	1,080 ± 0,020
<b>pH</b>	7,00 ± 1,00

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 conducted 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.