

# CHRYSO® OPTIMA 1300

Water reducing Plasticizing admixture

## DESCRIPTION

**CHRYSO® Optima 1300** is a new generation plasticiser based on modified polycarboxylate. Using the latest techniques in polycarboxylate technology, the admixture facilitates the production of low viscosity concrete with long workability retention, which is very much suited for the highest quality self-compacting concrete, and in the readymix concrete industry.

**CHRYSO® Optima 1300** can provide concretes at all levels of consistence with extended working time and still achieve a water/cement ratio reduction.

These characteristics make this product particularly suited for pumping concrete over long distances.

**CHRYSO® Optima 1300** is especially suited to onerous projects which may involve extended transport, handling and placement of concrete through several methods of conveyance to point of discharge. It will also provide excellent performance during periods of hot weather.

## BENEFITS

- Increased consistence retention for transport.
- Excellent homogeneity for pumping.
- Low viscosity rheology.
- Improved compaction.
- Increased concrete strengths.
- Cement optimisation without strength loss.
- Robustness and tolerance to water addition.

## FIELDS OF APPLICATION

### Types of Application

- High, Very, & Ultra High Performance concretes
- Hot weather concreting
- Extended consistence retention
- Pumped concrete
- Plastic to fluid concretes
- Highly reinforced structures

### Compatibility with Cements

- All types of cement
- Pulverised fuel ash
- Ground granulated blastfurnace slag

## INDICATIVE INFORMATION

Product Nature	liquid
Color	Straw coloured
Lifetime	12 months
Specific gravity	1,055 ± 0,020

## METHOD OF USE

### Dosage :

Dosage: 0.3 to 2.0 % for 100 kg of cement.

- A 1.0 % dosage of the product of the weight of cement is commonly used.
- It is recommended that preliminary tests are carried out on the product to determine the optimum dosage for the intended application. Please contact our Technical Department for advice regarding initial trial dosage.
- This product is completely miscible in water.
- This product must be added to the mixing water.
- Concrete incorporating this product should be mixed thoroughly until a homogeneous mix has been achieved.

## PRECAUTIONS

- Stir the product before use.
- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

## NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking. The appropriate declaration can be found on our internet site.
- This product is a Water-reducing plasticiser with CE marking.
- This product conforms to BS EN934-2 Table 2 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

## SAFETY

## TECHNICAL DATA SHEET

# CHRYSO® OPTIMA 1300

Water reducing Plasticizing admixture

UK  
CA



Chryso  
Concrete  
Solutions

15/04/2025

### PACKAGING

- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).