

## Chryso® Optima 48

High range water reducing Super plasticizing admixture

### DESCRIPTION

**Chryso® Optima 48** is a new generation high-range water reducing superplasticiser incorporating Chryso innovative **CLEAR Technology**. This admixture results from our expertise in hybrid polymer technology using our most recent knowledge of the synthesis of molecules.

**Chryso® Optima 48** has been specifically formulated to provide rapid plasticisation of concrete mixes, which is specifically useful in applications such as volumetric truck mixers and other short mixing cycles.

It can be used effectively in mixes containing clay and silt contaminated aggregates, and also finely graded aggregate leading to cement reductions. This can also open opportunities for previously unusable materials.

**Chryso® Optima 48** can be used to produce high workability concretes without additional increase in mix water content. It can be used in a great range of concretes, including low water cement ratio mixes, or to allow an increase in slump class without requiring additional cement.

### BENEFITS

- Quick adsorption properties
- Rapid plasticising efficiency
- Use of contaminated aggregates
- Cement optimisation without strength loss
- Improved concrete rheology
- Improved compaction
- Increased concrete strengths
- Wide range of applications

### FIELDS OF APPLICATION

#### Types of Application

- Volumetric Concrete Mixers
- Moderately contaminated aggregates
- High fineness gradings
- High consistence concrete
- Ready mix concrete
- Reinforced concrete
- Pumped concrete

#### Compatibility with Cements

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

### INDICATIVE INFORMATION

|                |           |
|----------------|-----------|
| Product Nature | Liquid    |
| Color          | Brown     |
| Lifetime       | 12 months |

### METHOD OF USE

#### Dosage :

0.3 to 1.5 kg for 100 kg of cement.

- The optimum dosage of this product can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required for concrete.
- This product is completely miscible in water.
- This product must be added to the mixing water.
- Mixing should keep going until a homogenous concrete is obtained.

### PRECAUTIONS

- 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.
- Store away from frost.
- Should the product freeze, it will recover its properties after thawing and agitating.

### 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 high-range water reducing plasticiser with UKCA & CE marking.
- This product conforms to BS EN934-2 Table 3 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

### SAFETY

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.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

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## TECHNICAL DATA SHEET

UK  
CA



Chryso  
Concrete  
Solutions

10/07/2026

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#### Specific gravity

1,075 ± 0,020

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

#### PACKAGING

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

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