

Chryso® Optima 1215

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Optima 1215 is a new-generation superplasticiser based on advanced polymer technology. Thanks to its specific molecular structure, CHRYSO® Optima 1215 enables the production of cohesive, low-viscosity concrete with long workability retention. It allows the formulation of highly workable concrete while reducing the water-to-cement ratio.

Chryso® Optima 1215 is particularly suitable for pumped concrete over long distances. Due to its performance characteristics, CHRYSO® Optima 1215 is highly suitable for civil engineering works and the ready-mix concrete industry.

FIELDS OF APPLICATION

- All cement types
- Extended workability retention
- Ready-mix concrete
- Architectural concrete
- High Performance Concrete - Very High Performance Concrete

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown to black
Lifetime	18 months

SPECIFICATIONS

Cl⁻ ions content	≤ 0,100 %
Equivalent Content Na₂O	≤ 1,00 %
Specific gravity	1,065 ± 0,020
pH	5,30 ± 1,00
Dry Extract (SYNAD - IFSTTAR)	28,20 % ± 0,40

METHOD OF USE

Dosage :

0.3 to 3.0 kg for 100 kg of cement.
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- Industrial trials are required to determine the optimum dosage.
- A 1.0% dosage of the product of the weight of cement is commonly used.
- This product is completely miscible in water.
- This product must be added to the mixing water or later on, on concrete.
- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.

PRECAUTIONS

- Protect from frost.
- Avoid prolonged exposure to high temperatures.
- 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 CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to NF 085 certification, which technical specifications are those applied in the non harmonised part of NF EN 934-2.
- Adresse AFNOR - 11, Avenue de Pressensé - 93571 Saint Denis La Plaine Cedex

SAFETY

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

TECHNICAL DATA SHEET



**Chryso
Concrete
Solutions**

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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. www.chryso.uk

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