

Chryso® Optima 1215

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Optima 1215 is a new-generation superplasticiser based on advanced polymer technology. Its specifically designed molecular structure enables the production of cohesive, low-viscosity concrete with extended workability retention while allowing reductions in the water/cement ratio.

Chryso® Optima 1215 is particularly suited to pumped concrete applications over long distances. Its performance characteristics make it well suited to ready-mix concrete production, infrastructure projects, and high-performance concrete applications.

BENEFITS

- Extended workability retention
- Produces cohesive, low-viscosity concrete
- Enables reduced water/cement ratios
- Excellent pumpability for long-distance placement
- Suitable for high-performance and very high-performance concrete
- Supports consistent concrete rheology
- Suitable for ready-mix and civil engineering applications

FIELDS OF APPLICATION

Chryso® Optima 1215 is suitable for:

- Ready-mix concrete
- Architectural concrete
- High-performance concrete (HPC)
- Very high-performance concrete (VHPC)
- Pumped concrete
- Applications requiring extended workability retention
- All cement types

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown to black
Lifetime	18 months
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,065 ± 0,020
pH	5,30 ± 1,00
Dry Extract (SYNAD - IFSTTAR)	28,20 % ± 0,40

PACKAGING

- 20L Container
- 215 L Barrel

METHOD OF USE

Dosage :

Typical Dosage: 0.3 to 3.0 kg per 100 kg of cement.

- A dosage of approximately 1.0% by weight of cement is commonly used.
- Optimum dosage should be established through site trials based on the concrete mix design and performance requirements.
- Completely miscible in water.
- Add to the mixing water or directly to the concrete mix.
- Trial mixes are recommended to determine optimum performance.

PRECAUTIONS

- Protect from frost.
- Avoid prolonged exposure to high temperatures.
- If frozen, allow the product to thaw completely and mix thoroughly before use

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 health, safety, and environmental information, refer to the relevant **Safety Data Sheet (SDS)**.

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

TECHNICAL DATA SHEET



**Chryso
Concrete
Solutions**

10/09/2026

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- Container of 1000L
- Bulk delivery on request

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.

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