

Chryso® Optima 100

High Range Water Reducing Admixture
Enhanced Slump Retention

DESCRIPTION

New generation of High Range Water Reducing Admixture based on proprietary modified-phosphonate technology. Specially designed for highly technical readymix concrete. CHRYSO Fluid Optima 100 provides greatly improved slump retention and pumpability to achieve targeted concrete quality and performance on-site. CHRYSO Fluid Optima 100 improves concrete robustness to optimize the mix design cost/performance ratio.

Meets or exceeds the requirements of ASTM C-494 Type G

ADVANTAGES

- Provides Extreme Slump Retention (> 2 Hours)
- Improved Finish, Placement and Pumpability
- Reduced Viscosity (Stickiness)
- High Early Strength

FIELDS OF APPLICATION

- All Cement Types
- Ready Mix Concrete
- Precast Concrete
- Pumped Concrete
- Extended Slump Retention
- HPC and UHPC Concrete
- Self Consolidating Concrete (SCC)

Method of Use

Dosage

- The recommended dosage rate for CHRYSO Fluid Optima 100 is 7 to 30 oz/cwt (913 to 1956 ml/100 kg) of cementitious material for a Type G.
- CHRYSO Fluid Optima 100 should be added with the initial mixing water. It should not be added with or on the dry cement.
- Dosage rates may vary when used in conjunction with other CHRYSO admixtures.
- Trial mixes should be conducted to determine the dosage rate needed to achieve the rheological characteristics and mechanical performance of the concrete.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using the product outside the recommended dosage ranges.

CHARACTERISTICS

PRECAUTIONS

- CHRYSO Fluid Optima 100 should be stored at or above 40°F

The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. www.chryso.com

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TECHNICAL DATA SHEET

Chryso® Optima 100

High Range Water Reducing Admixture
Enhanced Slump Retention

Chryso
Concrete
Solutions

06/23/2026

Product Nature	Liquid
Color	Amber
Shelf life	12 months
Cl⁻ ions content	< 0,010 %
Specific gravity (25°C)	1,060
pH (25°C)	4,00

This product does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

PACKAGING

- 210 L (55 Gallons) Drum
- 1000L Tote (275 gallons)
- Bulk

(5°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.

- Do not use pressurized air for agitation.
- CHRYSO Fluid Optima 100 is compatible with most CHRYSO admixtures if added separately to the concrete mix.
- However, it is not recommended for use in concrete containing naphthalene-based admixtures including ProPel AG, or melamine-based admixtures.

SAFETY

Prior to any use, please read carefully the Safety Data Sheet.

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