

CHRYSO® Optima 249

High Range Water Reducing Admixture

DESCRIPTION

New generation of High Range Water Reducing Admixture based on proprietary polymer. Specially designed for highly technical ReadyMix concrete, CHRYSO Optima 249 provides extended slump retention and pumpability to achieve targeted concrete quality and performance on-site. CHRYSO Optima 249 improves concrete robustness to optimize the mix design cost/performance ratio.

Meets or exceeds the requirements of ASTM C-494 Type A and F

ADVANTAGES

- Extended Slump Life with Minimal Effect on Set time and Early Strength
- Increases early and ultimate compressive and flexural strengths
- Provides uniform, normal-setting characteristics
- Proprietary finishing aid improves workability and finishability
- Reduced Viscosity (Stickiness)
- Reduces Job Site Water Additions

FIELDS OF APPLICATION

- All Cement Types
- Use of SCMs including Natural Pozzolan
- Ready Mix Concrete
- High Early Strength
- Self Consolidating Concrete (SCC)
- Extended Slump Retention

METHOD OF USE

Dosage

- The recommended dosage rate for CHRYSO Optima 249 is 2 to 5 oz/cwt (130 to 326 ml/100 kg) of cementitious material for a Type A and 4 to 16 oz/cwt (261 to 1043 ml/100 kg) of cementitious material for a Type F.
- CHRYSO Optima 249 can be added with the initial water or, for optimum performance, on the wetted concrete. 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.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using the product outside the recommended dosage ranges.

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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CHRYSO® Optima 249

High Range Water Reducing Admixture

CHARACTERISTICS

Product Nature	Liquid
Color	Amber
Shelf life	12 months
Cl⁻ ions content	< 0.100
Specific gravity (25°C) in g/ml	1.070
pH (25°C)	3.30

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 :

- 55 gallon drum (210 L)
- 264 gallon tote (1000 L)
- Bulk

PRECAUTIONS

- CHRYSO® Optima 249 should be stored at or above 34°F (1°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.
- Do not use pressurized air for agitation.
- CHRYSO® Optima 249 is compatible with most CHRYSO admixtures if they are 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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