

# CHRYSO® Optima 233

High Range Water Reducing Admixture  
Enhanced Slump Retention

## DESCRIPTION

New generation of High Range Water Reducing Admixture based on proprietary polymer. Specially designed for highly technical ReadyMix concrete, CHRYSO Optima 233 provides extended slump retention and pumpability to achieve targeted concrete quality and performance on-site. CHRYSO Optima 233 improves concrete robustness to optimize the mix design cost/performance ratio.

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

## ADVANTAGES

- Enhanced Slump Retention
- Proprietary Molecule Reduces Viscosity (Stickiness)
- Improved Finish, Placement and Pumpability
- High Early Strength
- Reduced Viscosity (Stickiness)

## FIELDS OF APPLICATION

- All Cement Types
- Ready Mix Concrete
- Extended Slump Retention
- High Early Strength

## METHOD OF USE

### Dosage

- The recommended dosage rate for CHRYSO Optima 233 is 2 to 7 oz/cwt (130 to 456 ml/100 kg) of cementitious material for a Type A and 4 to 12 oz/cwt (261 to 782 ml/100 kg) of cementitious material for a Type F.
- CHRYSO Optima 233 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](http://www.chryso.com)

CHRYSO Inc. - 3958 Ruger Dr • Royse City • TX 75189 & PO Box 190 • Rockwall • TX 75087 Tél.:+1 (972) 772 6010

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## CHARACTERISTICS

<b>Product Nature</b>	Liquid
<b>Color</b>	Amber
<b>Shelf life</b>	12 months
<b>Cl<sup>-</sup> Ions content</b>	< 0,100 %
<b>Specific gravity (25°C) in g/ml</b>	1,060 ± 0,000
<b>pH (25°C)</b>	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 :

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

## PRECAUTIONS

- CHRYSO® Optima 233 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 233 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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