

Chryso® Optima 258 EMx

High Range Water Reducing Admixture

DESCRIPTION

Chryso® Optima 258 EMx is a high range water reducing admixture designed to improve concrete performance in highly technical ready-mix applications, enhancing slump retention, pumpability, and robustness. It is ideal for projects requiring extended workability and consistent quality during transport and placement.

This product features a proprietary polymer technology, making it well-suited for optimizing mix design cost/performance ratios under demanding jobsite conditions.

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

ADVANTAGES

- Enhances early and ultimate strength development
- Extends slump retention for improved workability on-site
- Minimizes need for water adjustments at the job site
- Optimizes concrete flow for easier placement
- Enables use of supplementary cementitious materials (SCMs) in higher volumes

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready Mix Concrete
- Post Tensioned and Prestressed Concrete
- Self Consolidating Concrete (SCC)
- Very High Early Strength Concrete
- High SCM Replacement
- Segmental Retaining Wall (SRW)

Method of Use

Dosage

- Dosage rates vary based on cement type, mix design, aggregate properties, environmental conditions, and project requirements.
- The typical dosage range is:
 - Type A: 2 to 7 oz/cwt (130 to 457 ml/100 kg) of cementitious material.
 - Type F: 7 to 16 oz/cwt (457 to 1045 ml/100 kg) of cementitious material.
- If conditions require using more than the recommended addition rates, please consult your Chryso representative.

Additional Usage Recommendations

- Chryso® Optima 258 EMx is compatible with most Chryso's admixtures as long as they are added separately to the concrete mix.
- This product is not compatible with naphthalene-based or melamine-based admixtures.

Implementation

- It is recommended that the product be added initial water or on the wetted concrete for optimum performance. It should not be added with or on the dry cement. Different sequencing may be used if local testing shows better performance.
- Please see [Admixture Dispenser Discharge Line Location & Sequencing for Concrete Batching Operations](#) for more information on product implementation.
- Pretesting of the concrete mix should be performed before use and as conditions and materials change in order to assure compatibility with other admixtures, and to optimize dosage rates, addition times in the batch sequencing and concrete performance.

Equipment

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.

TECHNICAL DATA SHEET

Chryso® Optima 258 EMx

High Range Water Reducing Admixture

Chryso
Concrete
Solutions

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- This product can be automatically dispensed using a complete line of accurate and reliable dispensing equipment designed for seamless integration into concrete batching systems.

CHARACTERISTICS

Product Nature	Liquid
Color	Green
Shelf life	12 months
Cl⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,085 ± 0,000
pH (25°C)	5,00

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 40°F (5°C), as extreme conditions may affect product performance.
- If the product is exposed to freezing temperatures, gently thaw and agitate thoroughly before use.
- Do not use pressurized air for agitation.

SAFETY

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

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