

Chryso® Omega 410

Multi-Range Water Reducing Admixture

DESCRIPTION

Chryso® Omega 410 is a multi-range water-reducing admixture designed to extend slump retention, improving pumpability, finishability, and compressive strength development. It is ideal for ready-mix and paving applications requiring consistent workability

and controlled setting characteristics. This product features a proprietary co-polymer formulation, making it well-suited for hot weather and extended transportation conditions.

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

ADVANTAGES

- Extends slump life with minimal impact on set time
- Increases early and ultimate compressive strengths
- Provides consistent normal-setting characteristics
- Improves workability and finishability
- Reduces stickiness and enhances pumpability

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Concrete Paving

Method of Use

Dosage

- Dosage rates vary based on cement type, mix design, aggregate properties, environmental conditions, and project requirements.
 - Type A: 3–10 fl oz per 100 lbs (195–652 mL per 100 kg) of cementitious material
 - Type F: 6–20 fl oz per 100 lbs (391–1304 mL per 100 kg) of cementitious material
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added with the initial water or to the wetted concrete for optimum performance. It should not be added on dry cement.
- 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 and concrete performance.

Equipment

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

Complimentary Products

- Chryso® Omega 410 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- This product is not compatible with admixtures containing naphthalene or melamine-based ingredients.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.

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® Omega 410

Multi-Range Water Reducing Admixture

Chryso
Concrete
Solutions

06/27/2025

Performances

- Enhances slump retention for prolonged workability
- Increases compressive strength at early and ultimate ages
- Stabilizes concrete rheology under varying site conditions
- Minimizes concrete stickiness for easier placement and consolidation
- Regulates setting time without delaying strength gain

CHARACTERISTICS

Product Nature	Liquid
Color	Amber
Shelf life	10 months
Cl⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,040
pH (25°C)	4,00

This product is free of intentionally added calcium chloride.

PACKAGING

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 33°F (2°C) or above 110°F (43°C), as extreme conditions may affect product performance.
- If frozen, thaw and agitate thoroughly before use.
- Do not use pressurized air for agitation.
- Protect from direct sunlight and moisture to maintain product integrity.

SAFETY

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

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