

Chryso® Quad 914 EMx

Mid-Range Water Reducing Admixture

DESCRIPTION

Chryso® Quad 914 EMx is a mid-range water-reducing admixture designed to improve concrete performance in mixes using aggregates with heavy clay contamination, enhancing air stability, slump retention, and water reduction. It is ideal for ready-mix and infrastructure applications requiring consistent workability and

durability under challenging aggregate conditions. This product features superior clay tolerance, making it well-suited for high-clay-content sands where reliable performance and simplified dosing are critical.

Meets or exceeds the requirements of ASTM C494 Type A & F

ADVANTAGES

- Enhances air stability in challenging aggregate conditions
- Simplifies mix design with an all-in-one solution
- Tackles clay contamination in sand with engineered reliability
- Promotes usage of locally sourced aggregates

FIELDS OF APPLICATION

- All Cement Types
- Type II Cement
- Ready-Mix Concrete
- Manufactured Sand
- Clay-Contaminated Aggregates

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 – 6 oz/cwt (131 – 393 ml/100 kg) of cementitious material.
 - Type F: 4 – 10 oz/cwt (262 – 655 ml/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 wetted concrete for optimum performance. 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

- 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® Quad 914 EMx is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- 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.

TECHNICAL DATA SHEET

Chryso® Quad 914 EMx

Mid-Range Water Reducing Admixture

Chryso
Concrete
Solutions

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- Consult your Chryso® representative for guidance on product combinations & compatibility.

Performances

- Reduces water demand with efficient dosing
- Increases slump retention by approximately 1.5 times over reference mixes
- Maintains or improves early strength, showing up to 8% gain at 3 days
- Sustains air content consistently despite clay presence
- Replaces separate sacrificial agents and water reducers, improving mix efficiency

CHARACTERISTICS

Product Nature	Liquid
Color	Amber-Brown
Shelf life	12 months
Cl⁻ ions content	≤ 0,100 %
Specific gravity (25°C)	1,084
pH (25°C)	4,80

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 direct heat to accelerate thawing.
- Do not use pressurized air for agitation.

SAFETY

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

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