

# Chryso® Quad 520 EMx

Multi-Range Water Reducing Admixture

## DESCRIPTION

**Chryso® Quad 520 EMx** is a water reducing admixture designed to enhance the use of low-cost aggregates such as manufactured sands, improving workability retention, concrete quality, and cost-efficiency. It is ideal for ready-mix and precast applications requiring consistent performance with variable aggregate sources.

This product features next-generation formulation technology, making it well-suited for concrete mixtures incorporating manufactured sands & harsh aggregates.

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

## ADVANTAGES

- Enables usage of high proportions of manufactured sand
- Improves finish, placement & pumpability
- Enhances slump retention

## FIELDS OF APPLICATION

- All Cement Types
- Ready Mix Concrete
- Manufactured Sand
- Sands with High Fines

## 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: 3 to 10 oz/cwt (195 to 652 ml/100 kg) of cementitious material.
  - Type F: 7 to 20 oz/cwt (546 to 1304 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 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

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

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)

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## TECHNICAL DATA SHEET

# Chryso® Quad 520 EMx

Multi-Range Water Reducing Admixture

Chryso  
Concrete  
Solutions

06/27/2025

### CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl <sup>-</sup> Ions content	< 0,100 %
Specific gravity (25°C)	1,060 ± 0,000
pH (25°C)	4,50

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 34°F (1°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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