

# Chryso® Quad 842

Multi-Range Water Reducing Admixture

## DESCRIPTION

**Chryso® Quad 842** is the latest generation of water-reducing admixture designed to enhance the use of low-cost aggregates such as manufactured sands.

It provides good workability retention to achieve targeted concrete quality and performance on-site at an optimized cost.

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

## ADVANTAGES

- Promotes use of high proportions of manufactured sand
- Enhances slump retention
- Improves workability & finishability
- Facilitates usage of sands with high amount of fines
- Provides excellent air control
- Enables water reduction with minimal set time impact
- Reduces cracking & shrinkage
- Increases early & ultimate compressive & flexural strengths

## FIELDS OF APPLICATION

- All Cement Types
- SCMs (Including Natural Pozzolan)
- Ready-Mix Concrete
- Manufactured Sand
- Sands with High Fines
- Self-Consolidated Concrete (SCC)

## Method of Use

### Dosage

- Chryso® Quad 842 addition rates can vary with the type of application. The addition rate can range between 2 fl. oz/cwt and 20 fl. oz/cwt (130 mL/100 kg and 1304 mL/100 kg) of cementitious material. Typical dosage rates are:
  - Type A: 2 to 10 fl. oz/cwt (130 to 652 mL/100 kg)
  - Type F: 6 to 20 fl. oz/cwt (391 to 1304 mL/100 kg)
- Optimal addition rates will depend on other concrete mixture components, job conditions, and desired performance characteristics.
- Dosage rates may vary when used in conjunction with other Chryso® admixtures.
- Should conditions require using more than the recommended addition rates, please consult your Chryso® representative.

### Implementation

- In general, it is recommended that Chryso® Quad 842 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.
- Different sequencing may be used if local testing shows better performance.
- 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

- A complete line of accurate, automatic dispensing equipment is available.

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.

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### Complimentary Products

- Chryso® Quad 842 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix. However, Chryso® Quad products are not recommended for use in concrete containing naphthalene based admixtures and melamine-based admixtures.

### CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl <sup>-</sup> Ions content	≤ 0,100 %
Specific gravity (25°C)	1,050
pH (25°C)	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

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

### PRECAUTIONS

- In storage, and for proper dispensing, product should not experience prolonged exposure below 40°F (5°C)
- Product will begin to freeze at approximately 32°F (0°C), but will return to full strength after thawing and thorough agitation.

### SAFETY

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