

# 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.

CHRYSO® Quad 842 provides good workability retention to achieve targeted concrete quality and performance on-site at an optimized cost.

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

## ADVANTAGES

- Allows Use of high proportions of Manufactured Sand
- Enhanced Slump Retention
- Proprietary finishing aid improves workability and finishability
- Robust When Using Sand With a High Amount of Fines
- Excellent Air Control
- Wide Range of Water Reduction With Little Impact on Set Time
- Reduces cracking and shrinkage
- Increases early and ultimate compressive and flexural strengths

## FIELDS OF APPLICATION

- All Cement Types
- Use of SCMs including Natural Pozzolan
- Ready Mix Concrete
- Manufactured Sand
- Sands with High Fines
- Extended Slump Retention
- Self-Consolidated Concrete (SCC)

## CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl <sup>-</sup> Ions content	< 0,100 %
Specific gravity (25°C) in g/ml	1,050 ± 0,000
pH (25°C)	4,00

## METHOD OF USE

### Dosage :

- The recommended dosage rate for CHRYSO Quad 842 is 2 to 10 oz/cwt (130 to 652 ml/100 kg) of cementitious material for a Type A and 6 to 20 oz/cwt (391 to 1304 ml/100 kg) of cementitious material for a Type F.
- CHRYSO® Quad 842 can 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.
- Dosage rates may vary when used in conjunction with other CHRYSO admixtures.
- Trial mixes should be conducted to determine the dosage rate needed.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using the product outside the recommended dosage ranges.

## PRECAUTIONS

- CHRYSO® Quad 842 should be stored at or above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.
- Do not use pressurized air for agitation. CHRYSO® Quad 842 is compatible with most CHRYSO admixtures if they are added separately to the concrete mix.
- However, it is not recommended for use in concrete containing naphthalene-based admixtures including ProPel AG, or melamine-based admixtures.

## SAFETY

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

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