

Chryso® V-Mar VSC500

Viscosity Modifying Admixture

Chryso
Concrete
Solutions

06/27/2025

DESCRIPTION

Chryso® V-Mar VSC500 is a new generation liquid admixture designed to enable the production of superior quality pervious concrete by imparting an enhanced paste rheology and controlling the hydration of cementitious materials. It incorporates a

unique, patented biopolymer, and is manufactured under closely controlled conditions to provide uniform, predictable performance.

Meets or exceeds the requirements of ASTM C494 Type D

ADVANTAGES

- Produces consistent pervious concrete
- Improves concrete flowability
- Increases workability time
- Optimizes finishability and compaction
- Enables batching flexibility with broader moisture tolerances
- Reduces raveling potential in harsh environments

FIELDS OF APPLICATION

- Parking lots
- Tennis courts, patios
- Foundations/floors for green house, zoos, aquatic centers
- Low volume pavements
- Residential roads, alleys and driveways
- Sidewalks, pathways
- Pavement edge drains

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 7 to 15 fl oz/100 lbs (455 to 980 ml/100kg) of cementitious material.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Equipment

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

Performances

- **Consistent Quality:** Enables the production of superior quality mixes each and every time significantly reducing the concern for load to load mix variability possible with conventional pervious concrete.
- **Faster Truck Discharge:** Enables fresh concrete to rapidly discharge from the truck. Reduces on site truck time and enables the producer to carry more loads per day. Reduces contractor labor costs and round trip times allowing for faster project completion.
- **Broader Moisture Tolerance:** Ensures easier batching with less concern for wet loads. Provides flexibility and enables the producer to batch the concrete at the proper water content. Reduces quality control costs and the likelihood of loss loads thus improving truck yield.
- **Reduced Evaporation:** Provides the contractor with enhanced robustness against raveling under harsh environments. Allows for better scheduling with longer time to cover from the time of mix discharge.
- **Uniform Compaction:** Significantly enables production of consistent pavements with less effort, and reduces the potential of costly future repairs and losses.

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

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CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl ⁻ Ions content	< 0,100 %
pH (25°C)	5,20

PACKAGING

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 28°F (-2°C), as extreme conditions may affect product performance.
- If the product is exposed to freezing temperatures, gently thaw and agitate thoroughly before use.

SAFETY

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

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