

# V-MAR® VSC500

Viscosity Modifying Admixture

## DESCRIPTION

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. V-MAR® VSC500 incorporates a unique, patented biopolymer, and is manufactured under closely controlled conditions to provide uniform, predictable performance.

The V-MAR® VSC500 admixture is supplied as a ready to use liquid. One gallon weighs approximately 8.7 lbs (1.05 kg/L). V-MAR® VSC500 contains no intentionally added chlorides. V-MAR® VSC500 meets the requirements of ASTM C494 as a Type D water-reducing and retarding admixture.

## ADVANTAGES

- Produces superior and consistent quality pervious concrete mixtures
- Enhances productivity with improved concrete flowability and faster truck discharge
- Increases workability time
- Improves finishability and compaction
- Adds 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

- V-MAR® VSC500 is recommended for use at 7 to 15 fl oz/100 lbs (455 to 980 ml/100kg) of cementitious materials. However, mixture proportions and weather conditions may possibly require using dosage rates beyond this range.

### Equipment

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

### Performances

- Pervious concrete made with V-MAR® VSC500 has unique advantages over conventional pervious concrete:
  - **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

# V-MAR® VSC500

Viscosity Modifying Admixture

Chryso  
Concrete  
Solutions

12/11/2024

### CHARACTERISTICS

<b>Product Nature</b>	Liquid
<b>Color</b>	Brown
<b>Shelf life</b>	12 months
<b>Cl<sup>-</sup> ions content</b>	< 0,100 %
<b>pH (25°C)</b>	5,20

### PRECAUTIONS

- V-MAR® VSC500 will freeze at about 28°F (-2°C) but will return to full functionality after thawing and thorough mechanical agitation.

### SAFETY

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

### PACKAGING

- Bulk
- 55 gallon drum
- 275 gallon tote

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