TECHNICAL DATA SHEET

Chryso Concrete Solutions

09/21/2026

V-Mar® 3

Viscosity Modifying Admixture

DESCRIPTION

V-Mar® 3 is a high-efficiency, viscosity-modifying admixture designed to enhance the rheology of concrete, enabling its use in a wide variety of applications. It enhances thixotropic properties, enabling the concrete to maintain its shape under stress and restore its viscosity when the stress is released.

Meets or exceeds the requirements of ASTM C1882-24 & ACOE CRD C661-06

ADVANTAGES

- Improves productivity
- Minimizes wear & tear on forms
- Enhances surface appearance for a superior finish
- Ensures minimal impact on air entrainment
- Reduces pump pressure
- Supports efficient slipform paving

FIELDS OF APPLICATION

- Ready-Mix Concrete
- Precast Concrete
- Post Tensioned & Prestressed Concrete
- Dry cast Concrete
- Paving Concrete
- Underwater & Antiwashout Concrete Applications

Method of Use

Dosage

- Dosage rates vary based on mix design, cementitious content, aggregate gradations and SCC application.
- The typical dosage range is 8 to 100 fl oz/yd ^{3} (309 to 3868 mL/m^3) of concrete.
- Dosage requirements are based on water content in the mix. As water content increases, dosage requirement will increase.
- Dosage rates may vary when used in conjunction with other admixtures.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added to the concrete mix after the dry materials and most of the water for optimum performance. 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

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

Complimentary Products

- V-Mar® 3 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix and is recommended for use in conjunction with Chryso® Superplasticizers and in combination of Chryso® Air-Entrainers.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.

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 "Applcation" 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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- Consult your Chryso® representative for guidance on product combinations & compatibility.

Performances

- Modifies concrete rheological properties for improved workability.
- Enhances finishing in flatwork applications.
- Improves workability in low/no-slump concrete.
- Facilitates better workability and finishability when using harsh aggregates.
- Simplifies placement and pumping, regardless of cement type or aggregate gradation.
- Accommodates fluctuating moisture content.
- Prevents segregation and reduces bleeding, maintaining cohesiveness in high-flow mixes.
- Ensures consistent production even under harsh conditions like high winds or low humidity.
- Eliminates the need for vibration by enabling self-leveling and self-consolidation in high-flow applications.

CHARACTERISTICS

Product Nature	Liquid
Color	Colourless to light yellow
Shelf life	12 months
Cl^- Ions content	< 0,100 %
pH (25°C)	4,50 ± 0,70

PRECAUTIONS

- Product will begin to freeze at approximately 28°F (-2°C), but will return to full capabilities after thawing and thorough agitation.
- Do not use pressurized air for agitation.

SAFETY

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

PACKAGING

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

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