

V-Mar® F100

Viscosity Modifying Admixture

DESCRIPTION

V-Mar® F100 is a high-performance, rheology-modifying admixture designed to enhance the lubricity of concrete, enabling increased productivity and superior surface texture. It improves workability,

allowing concrete to flow more smoothly during placement while achieving a high-quality finish with a consistent and refined surface.

Meets or exceeds the requirements of ASTM C494 Type S

ADVANTAGES

- Enhances concrete rheological properties for improved workability
- Produces cohesive concrete mixes without stickiness
- Facilitates efficient concrete extrusion
- Improves concrete surface appearance
- Accelerates concrete discharge rates

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Post Tensioned & Prestressed Concrete
- Concrete Pipe
- Concrete Extrusion
- Concrete Paving
- Slip Formed Concrete
- Roller-Compacted Concrete

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 3 to 12 fl oz/cwt (195–780 mL/100 kg) of cementitious material.
- 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 early in the batching sequence 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® F100 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.
- Consult your Chryso® representative for guidance on product combinations & compatibility.

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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Chryso
Concrete
Solutions

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Performances

- Enhances productivity with higher throughput.
- Enables concrete to flow more easily and quickly through machinery.
- Improves paste consistency for better creaminess and finishability.
- Promotes concrete consolidation with reduced vibration effort.
- Increases water tolerance, making concrete less sensitive to typical moisture variations during manufacturing.
- Supports the use of angular aggregates and manufactured sands in concrete mixes.
- Delivers finishes with significantly fewer surface defects.
- Reduces cement requirements for surface closure, lowering overall material costs.

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl ⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,008
pH (25°C)	5,30

PRECAUTIONS

- Product will begin to freeze at approximately 28°F (-2°C), but will return to full functionality after thawing and thorough mechanical 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