

TECHNICAL DATA SHEET

CHRYSO® Slump Minus

Viscosity Modifying Admixture

Chryso
Concrete
Solutions

02/27/2025

DESCRIPTION

Slump Minus is a high-performance liquid admixture designed to enhance the rheological properties of concrete. This viscosity-modifying admixture significantly improves the stability and segregation resistance of various concrete mixes, including self-consolidating concrete (SCC), high-slump conventional mixes, and those containing manufactured or poorly graded aggregates.

Slump Minus stabilizes the air void system within the concrete matrix, promoting enhanced durability.

Slump Minus achieves these benefits without compromising workability, maintaining slump and flow characteristics essential for efficient placement and finishing. The result is a superior concrete product with enhanced surface quality, aesthetics, and plastic properties.

ADVANTAGES

- **Enhanced Stability:** Preserves the integrity of the concrete matrix, even under high-slump conditions.
- **Increased Cohesiveness:** Optimizes the workability of both lean and harsh mix designs.
- **Reduced Consolidation Effort:** Requires less energy and time for compaction due to improved workability.
- **Improved Aggregate Distribution:** Ensures a homogeneous dispersion of aggregates throughout the mixture.
- **Reduced Segregation and Bleeding:** Minimizes the separation of constituent materials, enhancing overall quality and durability.
- **Optimized Air Void Distribution:** Enhances the durability and freeze-thaw resistance of the concrete.
- **Improved Surface Finishability:** Facilitates achieving a smooth and uniform surface finish.

FIELDS OF APPLICATION

Slump Minus is ideal for enhancing concrete performance in various scenarios, including:

- **Projects requiring faster consolidation:** Reduces the time and effort needed for concrete consolidation, improving efficiency.
- **Concrete during transportation:** Maintains consistency and workability, minimizing slump loss and segregation risks.
- **Low slump concrete:** Improves flowability and aesthetics for easier placement and a smoother finish.
- **Concrete prone to segregation:** Increases cohesiveness and stability to prevent separation of aggregates and paste.
- **Manufactured sand and gap-graded aggregates:** Addresses challenges associated with these materials, improving workability and stability.
- **Inconsistent aggregate moisture:** Compensates for fluctuations in moisture content, ensuring consistent concrete production.
- **Lean concrete mix designs (SCC):** Enhances workability and cohesiveness for easier placement and self-consolidation.
- **Concrete with air migration issues:** Stabilizes air voids, leading to a more uniform and stable mix.

Method of Use

Dosage

The ideal dosage for **Slump Minus** varies depending on the materials used, environmental conditions, and project requirements. A general guideline is up to 7 fl.oz per 100 lbs (455 ml per 100 kg) of cementitious materials. However, specialized materials, extreme conditions, or unusual project needs may require adjusting this dosage. In such cases, consult **CHRYSO**'s experts or product data sheets for precise recommendations to ensure optimal performance and longevity of your concrete projects.

Additional Usage Recommendations

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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Because local job conditions vary, please contact your local **CHRYSO** sales representative for further assistance if using outside recommended dosage ranges.

CHARACTERISTICS

Color	Clear to amber
Shelf life	9 months
Apparent density	1,030
pH (25°C)	8,80

SAFETY

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

PACKAGING

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

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