TECHNICAL DATA SHEET

Certified to NSF/ANSI/CAN 61 & 372

Chryso Concrete Solutions

09/02/2025

Chryso®Zyla® 625

Normal Water Reducing Admixture

DESCRIPTION

Chryso®Zyla® 625 is a normal water-reducing admixture designed to enhance workability, reduce water content, and improve strength development. It is ideal for ready-mix, precast, and post-tensioned applications requiring better hydration control and finishability. This product features a synergistic formulation incorporating polycarboxylate and specialty organic compounds, making it well-suited for use with polycarboxylate-based water reducers.

Meets or exceeds the requirements of ASTM C494 Type A & D

ADVANTAGES

- Enhances finishability and surface quality
- Improves compressive and flexural strengths
- Maintains air content without alteration
- Supports compatibility with polycarboxylate-based admixtures
- Reduces total water demand

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready-Mix Concrete
- Post Tensioned & Prestressed Concrete
- Normal & Lightweight 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 2 to 10 fl oz/cwt (130 to 652 mL/100 kg) of cementitious material.
- Optimal dosage rates depend on other concrete mixture components, job conditions, and desired performance characteristics.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance.
- Please see *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations.
- 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

- This product can be automatically dispensed using a complete line of accurate and reliable dispensing equipment designed for seamless integration into concrete batching systems.

Complimentary Products

- Chryso®Zyla® 625 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent is recommended to provide suitable air void parameters for freeze-thaw resistance.
- 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 "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.

chryso SAINT-GOBAIN

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Performances

- Provides better control over water reduction and setting times compared to traditional lignin-based water reducers.
- Delivers synergistic performance with polycarboxylate-based mid-range and high-range water reducers, enhancing water reduction, concrete strength, and air control.
- Improves compressive and flexural strengths of hardened concrete at all ages compared to traditional lignin-based water reducers.
- Produces concrete mixes with lower water content (typically reducing by 3% to 10%), greater plasticity, and higher compressive strengths.
- Enhances concrete finishability by providing a creamier, more homogeneous texture and a uniform bleed rate compared to traditional lignin-based water reducers.
- Improves the finishability of lean mixes, ensuring smooth, close-tolerance surfaces when floated and troweled, either by machine or hand.

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	9 months
Cl^- Ions content	< 0,100 %
Specific gravity (25°C)	1,087
pH (25°C)	8,50

PACKAGING

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

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.
- Do not use pressurized air for agitation.

SAFETY

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

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