TECHNICAL DATA SHEET

Certified to NSF/ANSI/CAN 61 & 372

Chryso Concrete Solutions

10/21/2026

Chryso®Zyla 620

Normal Water Reducing Admixture

DESCRIPTION

Chryso®Zyla 620 is a normal water-reducing admixture designed to enhance concrete hydration efficiency, improving compressive strength, finishability, and water reduction. It is ideal for ready-mix, precast, and prestressed applications requiring consistent performance and air stability. This product features a proprietary polycarboxylate formulation with specialty organics, making it well-suited for mixes that benefit from synergy with polycarboxylate-based mid- and high-range water reducers.

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

ADVANTAGES

- Improves workability with minimal air content impact
- Enhances compressive and flexural strength at all ages
- Supports consistent set time and strength
- Facilitates smooth, uniform finishes, particularly in lean mixes
- Optimizes compatibility with polycarboxylate-based water reducers

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Precast Concrete
- Prestressed Concrete
- 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 2.0–10.0 fl oz/100 lbs (130–652 mL/100 kg) of cementitious material.
- 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 & 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, 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 620 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.

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

- Reduces water demand by approximately 3–10%
- Increases plasticity and cohesiveness of fresh concrete
- Enhances finishability with more uniform bleed rate
- Strengthens concrete through more complete cement hydration
- Maintains low variability in air content and performance

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	9 months
Cl^- Ions content	< 0,100 %
Specific gravity (25°C)	1,089
pH (25°C)	8,40

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 direct heat to accelerate thawing.
- Do not use pressurized air for agitation.

SAFETY

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

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