

Chryso® Zyla® 630

Normal Water Reducing Admixture

Chryso
Concrete
Solutions

08/04/2025

DESCRIPTION

Chryso® Zyla® 630 is a normal water-reducing admixture designed to promote more complete hydration of Portland cement, improving workability, water reduction, and finishability. It is ideal for ready-mix and precast concrete applications requiring enhanced finishability and synergy with polycarboxylate-based admixtures. This product

features a proprietary formulation of highly purified organic chemicals, making it well-suited for producing smooth, close-tolerance flatwork surfaces.

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

ADVANTAGES

- Enhances workability and finishability
- Maintains air content without alteration
- Supports compatibility with polycarboxylate-based admixtures
- Reduces water content in concrete mixes
- Optimizes concrete for smooth machine or hand finishing

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 2–7 fl oz/100 lbs (130–455 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 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® 630 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 "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.

TECHNICAL DATA SHEET

Chryso® Zyla® 630

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Performances

- Reduces water content by 3% to 10%, improving concrete plasticity
- Enhances compressive and flexural strengths at all ages versus traditional lignin-based reducers
- Delivers better control over water reduction and setting time compared to lignin-based water reducers
- Improves finishability in lean mixes with creamier, uniform texture and bleed rate
- Boosts synergy with polycarboxylate-based water reducers for strength and air control

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	9 months
Cl ⁻ Ions content	< 0,100 %
Specific gravity (25°C)	1,096
pH (25°C)	9,80

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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