

Chryso® TurboCast 650A

Set Accelerating Admixture
Non-Chloride

DESCRIPTION

Chryso® TurboCast 650A is a non-chloride accelerating admixture designed to expedite concrete set time, improving early strength development, jobsite productivity, and overall project efficiency. It is ideal for applications requiring high early strength performance,

including precast and cold weather concrete. This product features a chloride-free formulation, making it well-suited for use in reinforced concrete where corrosion is a concern.

Meets or exceeds the requirements of ASTM C-494 Type C

ADVANTAGES

- Accelerates setting time to boost construction speed
- Enhances early and ultimate compressive strength
- Facilitates early formwork stripping
- Minimizes curing costs
- Reduces delays caused by cold weather

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Precast Concrete
- High Early Strength
- Cold Weather 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 8.0–90.0 fl oz per 100 lbs (5.20–58.50 mL per 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 with the initial water or at the end of the batching sequence for optimum performance. Do not add directly with or on dry cement.
- Please see [Admixture Dispenser Discharge Line Location & Sequencing for Concrete Batching Operations](#) for more information on product implementation.
- When used in air entrained concrete, trial mixes must be made to determine the quantity of air-entraining admixture required.
- 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 TurboCast 650A 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. www.chryso.com

CHRYSO Inc. - 12770 Merit Drive Suite 750, Dallas, TX 75251 USA Tel.: +1 (972) 772 6010

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TECHNICAL DATA SHEET

Chryso® TurboCast 650A

Set Accelerating Admixture
Non-Chloride

Chryso
Concrete
Solutions

04/22/2026

Performances

- Reduces curing time, allowing for faster finishing and handling
- Improves jobsite efficiency by shortening overall construction schedules
- Supports concrete strength development in low temperature environments
- Enables earlier load application without compromising structural integrity
- Maintains performance across all cement types including Type II

CHARACTERISTICS

Product Nature	Liquid
Color	Amber
Shelf life	12 months
Cl ⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,410 ± 0,000
pH (25°C)	7,00

PACKAGING

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 20°F (-7°C), as extreme conditions may affect product performance.
- Recoverable – If the product is exposed to freezing temperatures, 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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