

Recover®

Set retarding admixture

Chryso
Concrete
Solutions

09/26/2025

DESCRIPTION

Recover® is a set retarding admixture designed to stabilize the hydration of Portland cement, enabling wash water reuse, reducing concrete waste, and supporting extended set time applications. It is ideal for ready-mix and hot weather concrete applications requiring controlled set time extension or temporary

stabilization of returned concrete. This product features a predictable and controlled dosage-response, making it well-suited for hot weather concreting, mass pours, and the reuse of leftover or wash water concrete.

Meets or exceeds the requirements of ASTM C494 Type B & D.

ADVANTAGES

- Delivers reliable set retardation in hot weather conditions
- Prevents the waste of leftover concrete
- Eliminates wash water discharge from mixers
- Enables long haul deliveries to remote sites
- Facilitates extended set time control

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Precast Concrete
- Hot Weather Concreting
- Mass Concrete
- HPC & UHPC Concrete

Method of Use

Dosage

- Dosage rates can vary with the type of application.
- Typical dosage rates are:
 - Returned or Lefover Concrete: 3 to 128 fl. oz/cwt (195 to 8350 mL/100 kg)
 - Set Time Extensions (+4 hours): 5 to 50 fl. oz/cwt (325 to 3260 mL/100 kg)
 - ASTM Type B or D Retarder: 2 to 6 fl. oz/cwt (130 to 390 mL/100 kg)
- Optimal addition rates will depend on the specific materials involved, mixer type and stabilization period.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Additional Usage Recommendations

- Transportation Infrastructure (Bridges, Roads, Highways, Airports, Railways)
- Structural Concrete (Bridges, Buildings, Foundations)
- Repair and Rehabilitation (Overlays, Grouts, Structural Repair)
- Industrial Flooring (Warehouses, Manufacturing Plants, Distribution Centers)
- Marine and Coastal Structures (Ports, Docks, Seawalls, Offshore Platforms)

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

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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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.
- *Reach 360™ System*, an innovative spray wand technology that simplifies wash water procedures is recommended.
- Consult your Chryso® representative for recommendations on appropriate equipment.

Complimentary Products

- Recover® 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.

Performances

- Stabilizes hydration of Portland cement for up to 96 hours based on dosage
- Maintains concrete in a plastic state to allow reuse
- Allows wash water to be reused in subsequent batches, aiding mixer cleaning
- Enables resumed hydration with normal plastic and hardened properties
- Controls initial set time in varying environmental and jobsite conditions

CHARACTERISTICS

Product Nature	Liquid
Color	Blue green
Shelf life	9 months
Cl ⁻ ions content	≤ 0,100 %
Specific gravity (25°C)	1,116
pH (25°C)	6,80

PRECAUTIONS

- Product will begin to freeze at approximately 32 °F (0 °C), but will return to full capabilities after thawing and thorough agitation.
- Do not use pressurized air for agitation.

SAFETY

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

PACKAGING

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