

# Chryso® Airalon 7000

Air entraining admixture

## DESCRIPTION

**Chryso® Airalon 7000** is an air-entraining admixture designed to enhance freeze-thaw durability, improving concrete finishability, air stability, and resistance to harsh weather conditions. It is ideal for ready-mix and precast applications requiring long-term durability in

freeze-thaw environments. This product features an aqueous complex mixture of organic acid salts, making it well-suited for projects exposed to cyclic freezing and thawing.

**Meets or exceeds the requirements of ASTM C260**

## ADVANTAGES

- Accommodates a wide range of mix designs
- Optimizes rheological properties for extended transit times
- Ensures uniform and predictable air entrainment
- Maintains superior air stability during placement

## FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Post Tensioned & Prestressed Concrete
- Ready-Mix Concrete
- Concrete Exposed to Freeze-Thaw Cycles

## 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 0.5–3.0 fl oz/100 lbs (30–200 mL/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 early in the batching sequence, preferably by “dribbling” onto the sand, for optimum performance. Different sequencing may be used if local testing shows better performance. Product should not be added directly to heated water.
- 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® Airalon 7000 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.

## TECHNICAL DATA SHEET

# Chryso® Airalon 7000

Air entraining admixture

Chryso  
Concrete  
Solutions

09/25/2025

### Performances

- Incorporates stable, semi-microscopic air bubbles throughout the concrete matrix via the mechanics of mixing.
- Promotes improved plasticity and workability as entrained air bubbles function like microscopic ball bearings.
- Enables a reduction in required mixing water without loss of slump.
- Minimizes bleeding, plastic shrinkage, and segregation to support ease of placement.
- Increases concrete volume, requiring adjustments to mix proportions to maintain cement factor and yield.
- Improves durability in concrete exposed to freeze-thaw cycles and harsh environmental conditions.
- Provides resistance to frost, de-icing salts, and chemically aggressive waters including sulfates, seawater, and alkaline solutions.

### CHARACTERISTICS

Product Nature	Liquid
Color	Yellow
Shelf life	12 months
Cl <sup>-</sup> ions content	< 0,100 %
Specific gravity (25°C)	1,018
pH (25°C)	9,60

### PRECAUTIONS

- Avoid prolonged exposure to temperatures below 30°F (-1 °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.

### PACKAGING

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

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