TECHNICAL DATA SHEET

Certified to NSF/ANSI/CAN 61 & 372

Chryso Concrete Solutions

10/09/2026

Chryso®Exp 950

High Range Water Reducing Admixture

DESCRIPTION

Chryso®Exp 950 is a high-range water reducing admixture designed to optimize concrete workability, improving finishability, early strength development, and mix stability. It is ideal for conventional and self-consolidating concrete requiring high fluidity without segregation. This product features a low addition rate polycarboxylate formulation, making it well-suited for mixes targeting superior rheology and handling characteristics.

Meets or exceeds the requirements of ASTM C494 Type A and Type F

ADVANTAGES

- Enhances concrete workability without segregation
- Improves early strength development
- Boosts finishability and surface quality
- Facilitates air entrainment control
- Optimizes water reduction based on dosage

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Precast Concrete
- Prestressed Concrete
- Hot Weather Concrete
- Self-Consolidating 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 3–6 fl oz/100 lbs (200–390 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®Exp 950 is compatible with most admixtures as long as they are added separately to the concrete mix.
- This product is not compatible with admixtures containing naphthalene- or melamine-based ingredients, as these may negatively impact performance.

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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- 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.

Performances

- Reduces water content significantly at high dosages
- Maintains slump retention while allowing low w/cm ratio
- Increases compressive strength at early stages
- Controls rheology for improved placement and finishing
- Provides consistent performance across a wide range of mix designs

CHARACTERISTICS

Product Nature	Liquid
Color	Brown-yellow
Shelf life	12 months
Equivalent Content Na_2O	≤ 0,10 %
Specific gravity (25°C)	1,075 ± 0,010
pH (25°C)	5,50 ± 1,50

PACKAGING

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 32°F (0°C) or above 110°F (43°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.
- Protect from direct sunlight and moisture to maintain product integrity.

SAFETY

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

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