TECHNICAL DATA SHEET

Chryso Concrete Solutions

06/27/2025

Adva® 198

High Range Water Reducing Admixture

DESCRIPTION

Adva® 198 is a high-range water-reducing admixture designed to increase concrete workability, improving slump retention, set time control, and finishability. It is ideal for ready-mix and precast applications requiring high flow with consistent performance. This product features a polycarboxylate-based formulation, making it well-suited for concrete requiring low water-cement ratios and reliable air content stability.

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

ADVANTAGES

- Enhances slump retention with near-neutral set time
- Improves concrete finish without stickiness or tearing
- Supports consistent performance across multiple cement chemistries
- Maintains stable air entrainment
- Facilitates concrete placement with extended workability

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready-Mix Concrete
- Post Tensioned
- Prestressed Concrete
- Self Consolidating Concrete (SCC)

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 3–15 fl oz/100 lbs (195–980 mL/100 kg) of cementitious material.
- In most cases, 3–6 fl oz/100 lbs (195–375 mL/100 kg) is sufficient to achieve desired performance.
- 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

- Adva® 198 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- This product is not compatible with admixtures containing naphthalene or melamine.
- For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent is recommended to provide suitable air void

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parameters for freeze-thaw resistance.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.

Performances

- Produces high-slump, highly workable concrete at low dosages
- Maintains near-neutral set characteristics for better scheduling flexibility
- Enables high early and ultimate strength at low water/cement ratios
- Optimizes finish quality in both precast and ready-mix applications
- Regulates air content stability across a range of cementitious materials

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	9 months
Cl^- Ions content	< 0,100 %
Specific gravity (25°C)	1,070
pH (25°C)	4,70

PACKAGING

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

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 32°F (0°C) or above 132°F (55°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.

SAFETY

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

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