TECHNICAL DATA SHEET

Chryso Concrete Solutions

11/14/2025

Chryso®Daraccel

Water-Reducing & Accelerating Admixture

DESCRIPTION

Chryso®Daraccel is a water-reducing & accelerating admixture formulated to provide faster set acceleration and increased early strength development of concrete. It contains calcium chloride as well as other chemicals to enhance the effect of the calcium chloride.

Meets or exceeds the requirements of ASTM C494 Type E with a Type I or Type II cement

ADVANTAGES

- Enables cold weather concreting
- Provides earlier finishing and form removal
- Serves as a water-reducing accelerator

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready-Mix Concrete
- Concrete Patching
- Very High Early Strength Concrete

Method of Use

Dosage

- **Chryso®Daraccel** dosage rates can vary with the type of application. The addition rate can range between 8 oz/cwt and 40 oz/cwt (520 mL/100 kg and 2600 mL/100 kg) of cementitious material.
- Optimal addition rates will depend upon the setting time of the non-admixtured concrete and the temperature at placement. In most instances, a dosage rate of 12 oz/cwt to 16 oz/cwt (780 mL/100 kg to 1040 mL/100 kg) will reduce the setting time of a typical Type I cement concrete at 50°F (10°C) by 2 to 3 hours and increase the 3-day compressive strength by 25% to 50%.
- Addition rates may vary when used in conjunction with other Chryso® admixtures.
- Should conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Additional Usage Recommendations

- Specifically designed for use in cold weather concreting or whenever accelerated properties of concrete are desired.

Implementation

- In general, it is recommended that **Chryso®Daraccel** be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance.
- Please see Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations.
- 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

- A complete line of accurate, automatic dispensing equipment is available.

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Complimentary Products

- **Chryso®Daraccel** 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

- Results in water requirement reduction, shorter set times and increased early strengths.
- Promotes earlier finishing and earlier form removal.
- Reduces the time during which concrete must be protected from freezing.

CHARACTERISTICS

Product Nature	Liquid
Color	Blue green
Shelf life	12 months
Cl^- Ions content	= 21,120 %
Specific gravity (25°C)	1,324
pH (25°C)	9,20

PRECAUTIONS

- Chryso®Daraccel is not recommended in prestressed concrete and other applications where chloride is not acceptable.

SAFETY

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

PACKAGING

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

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