

Chryso® Daracel M (formerly DARACCEL® M)

Set Accelerating Admixture

DESCRIPTION

Chryso® Daracel M is a liquid admixture is formulated for use in the manufacture of zero or low slump concrete products, where the process requires accelerated early strengths. This product contains calcium chloride as well as other additives to enhance the effect of the calcium chloride.

Chryso® Daracel M admixture may be used in all zero or low slump concrete to provide increased "green" strength, and may reduce or eliminate the requirement for steam curing. The increased strength development can also allow for replacement of Type III cement with Type I/II or Type IL cement.

ADVANTAGES

- Increases "green" strength
- Reduces curing costs
- Improves compressive strengths
- Reduces cement costs
- Reduces culls

Method of Use

Dosage

The typical addition rates of Chryso® Daracel M admixture is used at a rate of 8-40 oz/cwt (520-2600 mL/100 kg) of cementitious materials, including pozzolans. The addition rate is dependent upon the specific set of materials and the desired end properties.

Additional Usage Recommendations

The components of Chryso® Daracel M will accelerate the chemical reactions between Portland cement and water. It speeds up the formation of CSH (calcium-silicate-hydrate) gel – the binder that holds aggregates together. Accelerated gel formation in turn shortens the setting time of the concrete and contributes to the development of higher early strengths.

Chryso® Daracel M admixture can be used in conjunction with the current curing cycle to assist with increased strengths, or may be used to develop equal strengths with reduced curing cycles. Depending upon ambient and curing conditions, in some cases steam curing may be eliminated entirely, thus reducing production costs associated with the curing process.

The effect of low temperature on setting time and early strength may be completely offset by the addition of Chryso® Daracel M admixture.

Complimentary Products

Chryso® Daracel M admixture is compatible with most admixtures. When multiple admixtures are used however, they must be added separately to the concrete mixture.

Companion products to Chryso® Daracel M designed for workability are: Chryso® Quantec PL-466 for smoother, denser surface textures, and Chryso® Quantec PL-477R for normal texture in zero slump concrete block.

CHARACTERISTICS

SAFETY

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® Daracel M (formerly DARACCEL® M)

Set Accelerating Admixture

Chryso
Concrete
Solutions

03/09/2026

Product Nature	Liquid
Color	Blue
Apparent density	1,300
pH (25°C)	9,00
Freezing Point	32 °F

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

PACKAGING

- Bulk
- 210L Drum (55 gallons)

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