

## TECHNICAL DATA SHEET

**Chryso® AirMax LDC**

Air entraining admixture

Chryso  
Concrete  
Solutions

06/02/2025

## DESCRIPTION

**Chryso® AirMax LDC** is an aqueous solution specially formulated for use as an air entraining admixture for Controlled Low Strength Material (CLSM), Controlled Density Fill (CDF), Low Strength Mortar (LSM) Low Density Concrete (LDC) or Flowable Fill and for use as and Air Entraining Agent for Concrete

**CHRYSO® AirMax LDC** improves flowability while reducing the amount of mix water required to obtain a flowable mix.

**Conforms to ASTM C 260**

**AASHTO M 154**

**CRD C 13**

**CHRYSO® AirMax LDC** is manufactured under rigid quality control measures to provide uniform, reliable results.

## ADVANTAGES

- Produces an extremely fluid material that self compacts and places easily
- Eliminates the costly need to backfill and compact between multiple lifts
- Generates stable air contents – up to 30%
- Helps control ultimate strength development of CLSM to within specified ranges
- Results in significant savings of machine and man hours
- Produces a stable volume with minimal segregation and bleed
- Pre-measure dry chemical eliminates concerns of leakage and frozen liquid product
- Easily dosed on the jobsite
- Increases yield up to 30% creating material and delivery savings

## FIELDS OF APPLICATION

**CHRYSO® AirMax LDC** is recommended for all concrete mixes where the use of CLSM is required

- Street and highway cross cuttings
- Abandoned underground structures
- Utility excavations
- Commercial and residential back-fill applications
- Pipe bending
- Sub-grad base
- Backfill for radiant heat flatwork

## Method of Use

## Dosage

There is no standard dosage rate for **CHRYSO® AirMax LDC** when used in CLSM material, the optimum dosage rate of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete. Dosage rates can range from 3.0 to 20 fluid ounces per 100 pounds (196 to 1300 ml per 100 kg) of cement. The dosage rates can be increased or decreased depending on the specific needs of the mix design and project requirements.

**CHRYSO® AirMax LDC** is typically used at a dosage rate of 0.2 to 3.0 fluid ounces per 100 pounds (13 to 196 ml per 100 kg) of cement for a normal air entrainer for concrete.

## Additional Usage Recommendations

Because local job conditions vary, please contact your local Chryso sales representative for further assistance if using outside recommended dosage ranges.

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. [www.chryso.com](http://www.chryso.com)

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#### CHARACTERISTICS

Product Nature	Liquid
Color	Purple
Shelf life	9 months
Cl <sup>-</sup> ions content	≤ 0,100 %
Specific gravity (25°C)	1,015
pH (25°C)	7,50

CHRYSO® AirMax LDC does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

#### PACKAGING

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

#### PRECAUTIONS

CHRYSO® AirMax LDC may freeze at temperatures below 32° F (0°C). Although freezing does not harm CHRYSO® AirMax LDC, precautions should be taken to protect it from freezing. If CHRYSO® AirMax LDC should happen to freeze, thaw and reconstitute with mechanical agitation.

**Do Not Use Pressurized Air For Agitation.**

#### SAFETY

CHRYSO® AirMax LDC is an alkaline solution and therefore can cause moderate to severe irritation.

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

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