TECHNICAL DATA SHEET

Chryso Concrete Solutions

10/10/2025

Chryso®AirMax LDC

Air entraining admixture

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 and 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.

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CHARACTERISTICS

Product Nature	Liquid
Color	Purple
Shelf life	9 months
Cl^- 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 **CChryso°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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