



Darex® AEA ED

Air entraining admixture

DESCRIPTION

Darex® AEA ED is an air-entraining admixture designed to generate stable air void systems, improving durability, workability, and resistance to freeze-thaw cycles. It is ideal for ready-mix and precast concrete applications requiring enhanced air stability and

durability. This product features a complex blend of organic acid salts, making it well-suited for mixes with long transit times or containing microsilica or fly ash.

Meets or exceeds the requirements of ASTM C260

ADVANTAGES

- Enhances concrete durability in freeze-thaw environments
- Optimizes air void stability for long haul times
- Facilitates air entrainment in mixes with microsilica or fly ash
- Supports consistent performance across diverse mix designs
- Improves resistance to de-icing salts and severe weathering

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Post Tensioned Concrete
- Prestressed Concrete
- Ready-Mix Concrete
- Concrete Exposed to Freeze-Thaw Cycles

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 0.5–5.0 fl oz/100 lbs (30–320 mL/100 kg) of cementitious material.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Additional Usage Recommendations

- Formulated to perform across the entire spectrum of production mixes, it generates specification quality, freeze-thaw resistant air systems in concrete.
- Ideal for mixes with microsilica and with fly ash.

Implementation

- It is recommended that the product be added early in the batch sequence, preferably by “dribbling” on the sand, for optimum performance.
- Product should not be added directly to heated water.
- 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.

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
Concrete
Solutions**

04/13/2026

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Complimentary Products

- Darex® AEA ED is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.
- Consult your Chryso® representative for guidance on product combinations & compatibility.

Performances

- Incorporates air into concrete through mixing, stabilizing millions of discrete semi-microscopic bubbles
- Promotes concrete mobility and plasticity via bubble action
- Enables water reduction without affecting slump
- Minimizes bleeding, plastic shrinkage, and segregation
- Increases concrete volume, requiring mix proportion adjustment to maintain cement factor and yield

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,008
pH (25°C)	11,10

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 30°F (-1°C)
- If the product is exposed to freezing temperatures, gently thaw and agitate thoroughly before use.
- Do not use pressurized air for agitation.

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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