TECHNICAL DATA SHEET

Chryso Concrete Solutions

06/27/2025

Terapave® AEA

Air entraining admixture

DESCRIPTION

TERAPAVE® AEA is an air-entraining aqueous solution composed of a complex mixture of organic acid salts. It is specially formulated to serve as an air-entraining admixture for concrete paving, ensuring uniform and predictable performance.

Meets or exceeds the requirements of ASTM C260 ***Standard Specifications for Air-Entraining Admixtures for Concrete***

ADVANTAGES

- Provides uniform, predictable air entrainment in paving applications
- Performs reliably & consistently across a wide spectrum of concrete materials
- Produces superior stable air voids, making it particularly useful during placement

FIELDS OF APPLICATION

- All Cement Types
- Paving Concrete
- Ready-Mix Concrete
- Concrete Exposed to Freeze-Thaw Cycles

Method of Use

Dosage

- TERAPAVE® AEA dosage rates can vary with the type of application. The addition rate can range between 0.5 oz/cwt and 3 oz/cwt (30 mL/100 kg and 200 mL/100 kg) of cementitious material.
- Optimal addition rates will depend on temperature, cement, sand gradation, and the use of extra fine materials such as fly ash and microsilica.
- Dosage rates may vary when used in conjunction with other CHRYSO® admixtures. The air-entraining capacity of TERAPAVE® AEA is usually increased when other concrete admixtures are contained in the concrete, particularly water-reducing and set-retarding admixtures. This may allow up to reduction in the amount of product required.
- Should conditions require using more than the recommended addition rates, please consult your CHRYSO® representative.

Additional Usage Recommendations

- Recommended for use in low slump concrete, particularly for highway paving applications, where concrete is mixed and there is a need for purposeful air entrainment.

Implementation

- In general, it is recommended that TERAPAVE® AEA be added early in the batching sequence for optimum performance, preferably by “dribbling” on the sand.
- Product should not be added directly to heated water.
- 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.
- 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.

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Equipment

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

Complimentary Products

- TERAPAVE® AEA is compatible with most CHRYSO® admixtures as long as they are added separately to the concrete mix.

Performances

- Incorporates air into the concrete by the mechanics of mixing and stabilizing millions of discrete semi-microscopic bubbles.
- Increases the volume of the concrete making it necessary to adjust the mix proportions to maintain the cement factor and yield.
- Produces concrete that is extremely durable, particularly when subjected to freeze-thaw cycles and de-icing salts.

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl^- Ions content	> 0,100 %
Specific gravity (25°C)	1,019
pH (25°C)	9,80

PRECAUTIONS

- Product will begin to freeze at approximately 30 °F (-1 °C), but will return to full capabilities after thawing and thorough agitation.
- 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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