

Daravair® 1400

Air entraining admixture

DESCRIPTION

Daravair® 1400 is an air-entraining admixture designed to enhance freeze-thaw durability, improve finishability, and provide reliable air control across varied mix designs. It is ideal for ready-mix, precast, and prestressed concrete applications requiring rapid air build and

consistent performance. This product features a high-purity, saponified rosin formulation, making it well-suited for short mix cycles and dependable supply conditions.

Meets or exceeds the requirements of ASTM C260

ADVANTAGES

- Enhances freeze-thaw resistance
- Improves finishability and workability
- Provides consistent performance across concrete designs
- Increases mix yield and air system stability
- Supports production efficiency with rapid air generation

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Post Tensioned
- 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 0.5–3.0 fl oz/100 lbs (30–200 mL/100 kg) of cementitious material.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added early in the batch sequence, preferably by dribbling onto the sand. Different sequencing may be used if local testing shows better 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 should be performed before use and as conditions and materials change to ensure compatibility and optimize 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.

Complimentary Products

- Daravair® 1400 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.

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

Daravair® 1400

Air entraining admixture

Chryso
Concrete
Solutions

09/26/2025

Performances

- Incorporates durable air void systems to resist frost and de-icing salts
- Promotes plasticity through semi-microscopic air bubbles
- Enables reduced water demand without slump loss
- Minimizes bleeding, plastic shrinkage, and segregation
- Stabilizes volume and yield, requiring mix proportion adjustments

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl ⁻ Ions content	< 0,100 %
Specific gravity (25°C)	1,018
pH (25°C)	10,50

Does not contain intentionally added chloride.

PRECAUTIONS

- Avoid prolonged exposure to temperatures below -30°F (-1°C), as extreme conditions may affect product performance.
- 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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