



Daravair® 1000

Air entraining admixture

DESCRIPTION

Daravair® 1000 is an air-entraining admixture designed to improve freeze-thaw resistance, yield control, and finishability across a wide range of concrete mix designs. It is ideal for ready-mix, precast, and post-tensioned concrete exposed to freeze-thaw conditions

requiring durable air-void systems. This product features a high-purity saponified rosin formulation, making it well-suited for consistent performance and dependable supply.

Meets or exceeds the requirements of ASTM C260

ADVANTAGES

- Produces rapid air build for short mix cycles
- Enhances freeze-thaw durability in severe exposures
- Facilitates finishability across diverse mix designs
- Optimizes yield control through controlled air entrainment
- Supports reliable performance across cement types

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.
- Dosage may vary depending on temperature, cement, fine materials, and other admixtures. Consult your Chryso® representative if higher dosages are required.

Implementation

- It is recommended that the product be added early in the batching sequence, preferably by dribbling on the sand. 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.

Complimentary Products

- Daravair® 1000 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



Chryso
Concrete
Solutions

09/26/2025

Daravair® 1000

Air entraining admixture

Performances

- Generates freeze-thaw resistant air systems by stabilizing discrete air voids
- Improves concrete plasticity and workability via flexible air bubbles
- Reduces water demand without compromising slump
- Minimizes bleeding, segregation, and plastic shrinkage
- Increases concrete volume, requiring yield adjustments to maintain cement factor

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl ⁻ ions content	< 0,100 %
Specific gravity (25°C)	1,013
pH (25°C)	10,40

PACKAGING

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

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 direct heat to accelerate thawing.
- Do not use pressurized air for agitation.

SAFETY

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

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