

Chryso® Darafill Dry

Controlled Low Strength Material (CLSM)
Performance Additive

DESCRIPTION

Darafill® Dry is a powdered performance additive for Controlled Low Strength Material (CLSM) designed to generate a stable air matrix, improving flowability, minimizing subsidence, and enhancing ease of future excavation. It is ideal for flowable fill applications requiring high yield, stable volume, and controlled strength

development. This product features a dry bag format, making it well-suited for simplified handling and site addition.

***CLSM may be referred to as “Flowable Fill”, “Controlled Density Fill” or “Cement Stabilized Sand” in different geographical areas.**

ADVANTAGES

- Simplifies jobsite handling with easy-to-use dry bag packaging
- Improves flowability of CLSM mixtures
- Reduces buoyancy in buried pipe and tank installations
- Minimizes mix water demand compared to water-based CLSM
- Supports long-term volume stability with minimal subsidence

FIELDS OF APPLICATION

- Street & Highway Cross Cuttings
- Abandoned Underground Structures
- Utility Excavations
- Commercial & Residential Backfill
- Pipe Bending
- Subgrade Base
- Backfill for Radiant Heat Flatwork

Method of Use

Dosage

- Dosage rates vary based on cement type, mix design, aggregate properties, environmental conditions, and project requirements.
- The typical dosage is:
 - 1 small bag (0.38 lb / 0.17 kg) per 1 yd³ (0.75 m³)
 - 1 large bag (1.5 lb / 0.68 kg) per 4 yd³ (3 m³)
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added directly into mixers after the CLSM load is batched. Product is fully activated once CLSM reaches a creamy, flowing appearance.
- Pretesting of the CLSM mix should be performed before use and as conditions and materials change in order to optimize dosage rates, mixing times, and performance outcomes.

Performances

- Reduces water demand by up to 50% compared to water-based CLSM
- Generates air content between 15–30% for re-excavatability
- Controls compressive strength development within 50–200 psi (0.35–1.40 MPa)
- Increases material yield by up to 30%
- Maintains CLSM density between 90–120 lb/ft³ (1440–1920 kg/m³)

CHARACTERISTICS

PRECAUTIONS

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® Darafill Dry

Controlled Low Strength Material (CLSM)
Performance Additive

Chryso
Concrete
Solutions

04/20/2026

Product Nature	Aggregated powder
Color	Yellow-white

PACKAGING

- 1.5lb bag
- 0,17kg Bag (0,38 lb)

- Avoid prolonged exposure to temperatures below 32°F (0°C) or above 130°F (55°C), as extreme conditions may affect product performance.
- Protect from direct sunlight and moisture to maintain product integrity.

SAFETY

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

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