

Chryso® ProFilm 18D

Evaporation Reducing Agent

DESCRIPTION

Chryso ProFilm 18D is a water-based, VOC-compliant spray-on evaporation reducer for freshly placed concrete. When applied to plastic concrete surfaces, it forms a continuous mono-molecular film that limits surface moisture loss without interfering with the cementitious hydration process. The product improves finishing performance by extending the finishability window, reducing surface

crusting, and enhancing overall surface quality. It does not affect concrete color and helps minimize plastic shrinkage cracking, map cracking, and surface defects caused by rapid evaporation, particularly under hot, windy, or low-humidity conditions.

ADVANTAGES

- Reduces surface moisture loss of freshly placed concrete
- Extends finishability time & improves finishing efficiency
- Minimizes surface crusting & plastic shrinkage cracking
- Enhances surface quality
- Improves performance under hot, windy, & dry conditions

FIELDS OF APPLICATION

- All Cement Types
- Ready-Mix Concrete
- Precast Concrete
- High-Performance Concrete
- Hot Weather Concrete
- Fiber-Reinforced Concrete

Method of Use

Dosage

Typical coverage is **200–300 ft²/gal (4.9–7.4 m²/L)**, depending on environmental conditions and rate of surface evaporation. Under severe drying conditions, additional applications may be required to maintain adequate surface moisture.

Additional Usage Recommendations

- Residential concrete slabs-on-grade and flatwork
- Industrial and commercial floors
- Pavements and exterior concrete surfaces
- Bridge decks and transportation structures
- Large-area placements exposed to rapid evaporation

Implementation

Apply uniformly to the surface of freshly placed concrete immediately after screeding and/or between finishing operations, as needed. Use a hand-held or power sprayer to ensure even coverage. The product contains a dye for visual confirmation of proper application. Because it does not retard setting, normal timing of finishing operations should be maintained.

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® ProFilm 18D

Evaporation Reducing Agent

Chryso
Concrete
Solutions

03/30/2026

CHARACTERISTICS

Product Nature	Liquid
Color	Blue
Shelf life	6 months
Specific gravity (25°C)	1,000 ± 0,020
pH (25°C)	10,75 ± 0,75

Does not contain any purposely added calcium chloride

PACKAGING

- 13L Pail (3.5 Gallons)
- 19L Pail (5 gallons)
- 210 L (55 Gallons) Drum
- 1000L Tote (275 gallons)
- Bulk

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 40°F (5°C), as freezing will permanently damage the product.
- If the product is exposed to freezing temperatures, it will not return to solution and must be disposed of according to local regulations.
- Agitate before use if the product has been stored for an extended period, particularly after dilution.

Limitations

- ProFilm 18D is intended as an evaporation reducer only and should not be used as a surface retarder for exposed aggregate applications or as a curing compound.

SAFETY

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

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