

Chryso® Optec EC-912 (formerly OPTEC® EC-912)

Efflorescence treatment product

DESCRIPTION

Chryso® Optec EC-912 is an innovative admixture specifically formulated to enhance the overall appearance of hardscapes and architectural concrete masonry units. Chryso® Optec EC-912, through its novel chemistry, improves color vibrancy and controls both primary and secondary efflorescence. Chryso® Optec EC-912 provides a light swipe on the surface of the unit.

Chryso® Optec EC-912 improves the dispersion of the cement throughout the mix. Through this dispersion action, cement and consequently pigment reductions are possible. Chryso® Optec EC-912 improves the plasticity of the mix for improved machinability and reduced cycle times.

ADVANTAGES

- Lowers water absorption
- Controls primary and secondary efflorescence
- Optimized for dosage efficiency
- Improves cement and pigment dispersion

Method of Use

Dosage

- Chryso® Optec EC-912 is used at a rate of 2-4 oz/cwt (130-260 mL/100 kg) of cementitious materials including pozzolans. The addition rate is dependent upon the specific set of materials and the desired end properties.
- Chryso® Optec EC-912 is compatible with most Chryso admixtures. However, when multiple admixtures are used they must be added separately to the concrete.
- Chryso® Optec EC-912 is typically added separately to the mix either on prewetted aggregates or anytime after the cement has been "wetted out" and it should be mixed for a minimum of one minute, but preferably two minutes. Never add Chryso® Optec EC-912 to dry cement. Variables such as cementitious content, aggregate gradations, processing equipment, and curing conditions may have an impact on the effectiveness of OPTEC EC-912. Testing with local materials and production equipment is necessary to determine the end results.

Additional Usage Recommendations

- Chryso® Optec EC-912 may be used in architectural block, pavers, segmental retaining wall units and other low slump concrete products where improved aesthetics are desired. Chryso® Optec EC-912 is designed to reduce both primary and secondary efflorescence, while maintaining unit physical properties.

CHARACTERISTICS

Product Nature	Liquid
Color	Blue
Apparent density	0,910

SAFETY

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

TECHNICAL DATA SHEET

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Chryso
Concrete
Solutions

03/03/2026

PACKAGING

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

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.