

# OPTEC<sup>®</sup> EC-912

Efflorescence Control Admixture

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## Product Description

OPTEC<sup>®</sup> EC-912 is an innovative admixture specifically formulated to enhance the overall appearance of architectural and hardscape concrete masonry units.

OPTEC<sup>®</sup> EC-912, through its novel chemistry, improves color vibrancy and controls both primary and secondary efflorescence. OPTEC<sup>®</sup> EC-912 provides a light swipe on the surface of the unit.

## Product Uses

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

## Product Advantages

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

## Product Function

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

## Application Information

OPTEC<sup>®</sup> 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.

## Mixing Procedure

OPTEC<sup>®</sup> EC-912 is compatible with most concrete admixtures. However, when multiple admixtures are used they must be added separately to the concrete.

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 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.

## Packaging and Handling

OPTEC® EC-912 is available in drums and returnable totes.

## Dispensing Equipment

OPTEC® EC-912 can be dispensed using conventional air diaphragm pump systems. For further information, contact your local GCP representative.

## Health and Safety

All precautions defined on the SDS (Safety Data Sheet) must be followed.

[gcpat.com](http://gcpat.com) | North America Customer Service: 1 877-4AD-MIX1 (1 877-423-6491)

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