

OPTEC® EC-912 Data Sheet

Efflorescence Control Admixture

Product Description

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

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

Product Uses

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

Application Information

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.

Mixing Procedure

OPTEC® 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.

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