

OPTEC[®] EC-912

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 dose rate of 150-300 ml /100kg total cementitious material. The addition rate is dependant upon 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 GCP pumping 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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