

OPTEC[®] EC-925

Efflorescence Control Admixture

Product Description

OPTEC[®] EC-925 is an innovative admixture specifically formulated to enhance the overall appearance of hardscapes and architectural concrete masonry units. OPTEC EC-925, is a unique blend of novel ingredients that help improve and retain color vibrancy by controlling both primary and secondary efflorescence. OPTEC EC-925 also contains a “slip” ingredient that aids in workability and provides a smooth modest swipe texture on the surface of the unit.

Product Uses

OPTEC EC-925 may be used in hardscapes such as concrete pavers, concrete slabs and segmental retaining wall units. Other uses where improved aesthetics are desired include architectural block, concrete brick, manufactured stone veneer and cast stone units. OPTEC EC-925 is designed to reduce both primary and secondary efflorescence, while maintaining unit physical properties.

Product Advantages

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

Product Function

OPTEC EC-925 improves the dispersion of the cement throughout the mix. Through this dispersion action, cement and consequently pigment reductions are possible. OPTEC EC-925 improves the plasticity of the mix for improved machinability and reduced cycle times.

Application Information

OPTEC EC-925 is typically 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-925 is compatible with most admixtures. However, when multiple admixtures are used they must be added separately to the concrete.

OPTEC EC-925 is typically added separately to the mix after all of the ingredients have been added. Shorter mix cycles may warrant adding either on prewetted aggregates or after the cement has been “wetted out”. OPTEC EC-925 should be mixed for a minimum of one minute, but preferably two minutes. Never add OPTEC EC-925 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-925. Testing with local materials and production equipment is necessary to determine the end results.

Packaging and Handling

OPTEC EC-925 is available in drums and returnable totes.

Dispensing Equipment

OPTEC EC-925 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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