

OPTEC® EC-140 Data Sheet

Efflorescence Control Admixture

Product Description

OPTEC®EC-140 admixture offers a new level of efflorescence control to the concrete hardscape industry. It is formulated as a ready-to-use admixture to enhance the quality and appearance of concrete pavers and segmental retaining wall units.

Product Uses

OPTEC®EC-140 admixture has been especially designed for the efficient production of concrete pavers and segmental retaining wall units. However, it can also be used in other manufactured concrete products such as architectural concrete masonry units and concrete brick.

Application Information

OPTEC®EC-140 is compatible with most concrete admixtures, but when multiple admixtures are used they must be added separately to the concrete mixture.

Addition Rates:

OPTEC®EC-140 admixture is typically used at a rate of 4-9 oz/cwt (260-590 mL/100 kg) of cementitious materials, including pozzolans. The addition rate is dependent upon the specific set of materials and the desired end properties.

OPTEC®EC-140 admixture will produce a swipe on the molded surface of the unit.

Mixing Procedure:

For maximum product efficiency add OPTEC®EC-140 admixture to pre-wetted aggregate or after the cement has been wetted. As with all admixtures, do not add OPTEC®EC-140 admixture to dry cement. Allow an additional 60-120 seconds mix time, after all the admixture has been added.

Product Advantages

- Controls primary and secondary efflorescence
- Improves color consistency
- Reduces feed and finish times
- Improves cement utilization

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for OPTEC®EC-140 admixture must be followed.

Packaging

OPTEC®EC-140 admixture is available in drums and returnable totes.

Storage

OPTEC®EC-140 admixture will begin to freeze at approximately 32 °F (0 °C), but will return to full strength after thawing and thorough agitation.

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