

# OPTEC<sup>®</sup> EC-191

Efflorescence Control Admixture

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## Product Description

OPTEC<sup>®</sup>EC-191 admixture is specially formulated to control primary efflorescence by reacting with alkaline salts before water can solubilize them. It is a ready-to-use admixture to enhance the quality and appearance of masonry units.

## Product Advantages

- Controls primary and secondary efflorescence
- Improves color consistency
- Provides short-term water repellency
- Reduces culls

## Product Uses

OPTEC<sup>®</sup>EC-191 admixture is designed for the production of concrete pavers and segmental retaining wall units, but it can also be used in other low or zero slump machined concrete products such as architectural concrete masonry units and concrete brick.

## Application Information

OPTEC<sup>®</sup>EC-191 is compatible with most concrete admixtures. However, when multiple admixtures are used, they must be added separately to the concrete mixture.

### Addition Rates:

OPTEC<sup>®</sup>EC-191 admixture is typically used at a rate of 3 -10 oz/ cwt (195 -650 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:

For maximum performance, add OPTEC<sup>®</sup>EC-191 admixture to the aggregate. As with all admixtures, do not add OPTEC<sup>®</sup>EC-191 admixture to dry cement. Allow OPTEC<sup>®</sup>EC-191 admixture to mix for 30 seconds before adding the cement. If OPTEC<sup>®</sup>EC-191 admixture is added to the concrete mixture at any other time, allow an additional 60-120 seconds mix time after all the admixture has been added.

## Packaging

OPTEC<sup>®</sup>EC-191 admixture is available in drums and returnable totes.

## Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for OPTEC®EC-191 admixture must be followed.

## Storage

OPTEC®EC-191 admixture will be negatively affected at temperatures below 50 °F (10 °C). If this occurs, bring OPTEC®EC-191 to ambient temperatures above 50 °F (10 °C) and thoroughly mix with mechanical agitation before use.

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