

OPTEC[®] EC-315

Efflorescence Control Admixture

Product Description

OPTEC[®]EC-315 is a liquid integral efflorescence controlling admixture for use in concrete masonry units, where zero or low slump concrete is required. OPTEC[®]EC-315 restricts the migration of water while it reduces efflorescence, maintains color intensity, and provides dirt and stain resistance. In addition OPTEC[®]EC-315 increases density, producing a unit with higher compressive strengths, lower absorption, and better overall appearance.

Product Advantages

- Reduced efflorescence
- Reduced absorption
- Resists dirt and stains
- Improved color intensity

Product Function

OPTEC[®]EC-315 chemically reacts with cement, filling the pores of the concrete with water insoluble hydrophobic products. This produces a water-repelling effect by greatly reducing absorption of the capillary pores.

Since OPTEC[®]EC-315 is throughout the masonry unit, the migration of water to the surface from within is restricted. This aids in strength development and reduces the potential for efflorescence. OPTEC[®]EC-315 is non-chloride and non-corrosive.

Application Information

Addition Rates:

The recommended addition rate of OPTEC[®]EC-315 is 260–650 mL /100 kg (4–10 fl oz/100 lbs) of cementitious material. However, prior testing is needed to establish the most effective dosage rate.

Mixing Procedure:

The recommended point of admixture introduction will vary with equipment and mixing procedure; however, OPTEC[®]EC-315 should not be dispensed onto dry cementitious materials. Your GCP representative will assist in determining the optimum point of admixture addition. The minimum temperature for application is 1 °C (34 °F).

Dispensing Equipment

A complete line of admixture dispensing equipment is available.

Packaging

OPTEC®EC-315 is available in drums, returnable totes and in bulk. Product weight is 1.02 kg/L (8.5 lbs/gal).

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for OPTEC®EC-315 admixture must be followed.

Storage

Protect OPTEC®EC-315 from direct sunlight and freezing. OPTEC®EC-315 has a shelf life of 1 year.

ca.gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

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