

OPTEC[®] EC-360

Efflorescence Control Admixture

Product Description

OPTEC[®]EC-360 is a ready to use admixture, specially formulated for use in low slump concrete mixes.

OPTEC[®]EC-360 maintains color intensity, and is especially suitable for the production of manufactured concrete products such as block, segmental retaining wall units and pavers.

Product Advantages

- Reduced efflorescence
- Improved color intensity
- Reduced absorption
- Increased machine speeds
- Resists dirt and stains

Product Function

OPTEC[®]EC-360 combines with the cement and chemically reacts, filling the pores of the concrete with a water insoluble solution. This produces a water-repelling effect by greatly reducing the absorption of the capillary pores.

Since OPTEC[®]EC-360 is distributed throughout the masonry unit or joint, the migration of water to the surface from within is also reduced. This aids in strength development as well as reducing the potential for efflorescence.

OPTEC[®]EC-360 also creates a plasticizing effect resulting in better compaction and denser structure with improved surface texture and appearance. OPTEC[®]EC-360 is non-chloride and non-corrosive.

Application Information

Addition Rates:

A dosage rate of 200-650 mL/100 kg (3-10 oz/100 lbs) of cementitious material may be used, depending on the specific set of materials and the desired end properties.

Mixing Procedure:

OPTEC[®]EC-360 should be added with the mixing water and thoroughly blended into the concrete mix.

The minimum temperature for application is 4.4 °C (40 °F).

Dispensing Equipment

A complete line of admixture dispensing equipment is available.

Packaging

OPTEC®EC-360 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-360 admixture must be followed.

Storage

Protect OPTEC®EC-360 from direct sunlight and freezing. Freezing will render OPTEC®EC-360 unusable. The shelf life of OPTEC®EC-360 is 9 months.

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

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use that would infringe any patent, copyright or other third-party right.

OPTEC is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 450, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This document is only current as of the last updated date stated below and is valid only for use in the Canada. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2023-06-29

ca.gcpat.com/solutions/products/optec-ec-360