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ConTec EC-45

Description

ConTec EC-45 is a integral water repellent admixture used in low slump concrete units such as architectural block, paving stones, SRW units, or masonry mortar. When used properly this unique formulation chemically reacts with concrete to prevent water penetration and control efflorescence. ConTec EC-45 enhances the color and appeal of all types of concrete products. When used in both mortar and masonry units EC-45 reduces water infiltration through masonry walls.

Features/Benefits

- Increases hydrophobic properties and lowers absorption rates.
- Impedes the formation of primary and secondary efflorescence.
- Helps maintain color integrity throughout.
- Aids color development and can shorten production cycles.
- Improves compressive strength and density.

Packaging

ConTec EC-45 is available in bulk quantities or available in drums or totes.

Application

ConTec EC-45 can be used in all types of manufactured concrete in which the reduction of efflorescence and water permeability is desirable.

Handling/Storage

ConTec EC-45 should be stored at temperatures above 40°F (4.5°C). Care should be taken to prevent this product from freezing. Should EC-45 become frozen the resulting material will be unusable.

Addition Rates

We recommend the following range of dosage: 8 to 16 US fl. OZ. Per 100 lbs of cement for concrete paving stones and concrete roof tile. For SRW units and other architectural block higher dosage rates may be recommended. These dosage rates are estimated, your actual rate should be determined by testing. We recommend consulting your ICT representative to help you determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix EC-45 with other admixtures before application.

Typical Properties

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|----------------------------------|-------------|
| Specific Gravity at 77°F. | 1.01 - 1.02 |
| Viscosity at 77°F, cps | 100 - 300 |
| Weight per gallon | 8.5 |
| % Volatile matter (NVM(1)) | 45 - 65 |

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EFFLORESCENCE CONTROL