



# ConTec EC-45

### DESCRIPTION

**ConTec EC-45** is a integral water repellant 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.

### APPLICATION

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

### PACKAGING

**ConTec EC-45** is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 480 lbs (218 kg) and 265 gallon (1003 L) totes weighing 2400 lbs (1089 kg).

### TYPICAL PROPERTIES

Specific Gravity at 77F.....	1.01 - 1.02
Viscosity at 77F, cps .....	100—300
Weight per gallon .....	8.5
% Volatile matter (NVM(1)) .....	~55

### 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.

### 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

The recommended dosage is 8 to 16 fluid ounces per hundred weight 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 the assistance of an ICT technical 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.

The information contained herein is based on data believed by Innovative Concrete Technology, LLC. to be accurate, but we do not assume any liability for the accuracy of this information. All Materials may present an unknown health and safety hazard. We neither suggest nor guarantee that any hazards mentioned are the only ones that exist. Anyone intending to rely on any recommendation or to use any equipment, technique, or material mentioned should also satisfy himself that he can meet all applicable safety and health standards. Determination of the suitability of any information or product for the use contemplated by any user, the manner of that use is the sole responsibility of the user.

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