



# ConTec SD-231

## DESCRIPTION

**ConTec SD-231** is a unique blend of dispersing aids that features cutting-edge polycarboxylate technology. It's highly active formulation improves both cement and color pigment efficiency in all types of architectural and hardscape concrete units. SD-231 improves cement hydration and provides higher compressive strength in manufactured concrete products. Your ICT technical representative can help you design a mix that will use SD-231 to actually reduce manufacturing cost.

## FEATURES / BENEFITS

- Improves cement particle dispersion and hydration.
- Aids pigment particle dispersion improving color development.
- Increases compressive and flexural strength.
- Proper use can potentially reduce cement and pigment usage.
- Improves the compaction process enhancing finished density.

## TECHNOLOGY

Cement particles stick together in clumps called agglomerations. This clumping prevents water from reaching all the cement. Use of **ConTec SD-231** admix breaks up agglomerations to increase the cement surface area available for hydration. The increased surface area holds more water without slumping your mix.

## HANDLING / STORAGE

**ConTec SD-231** should be stored at temperatures above 35°F (2°C). Care should be taken to prevent this product from freezing. Should SD-231 freeze, warm till completely liquid then use mechanical agitation to reconstitute.

## PACKAGING

**ConTec SD-231** is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 570 lbs (259 kg) and 260 gallon (984 L) totes weighing 2750 lbs (1247 kg).

## ADDITION RATES

The recommended dosage is 0.2% by weight of cement. In dry-cast concrete products SD-231 will increase the demand for water by 5% to 10% above normal addition rates. SD-231 is not a water reducer and should not be utilized as such. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix SD-231 with other admixtures before application.

## TYPICAL PROPERTIES

Specific Gravity at 77F.....	1.06
Viscosity at 77F, cps .....	50—100
Weight per gallon .....	8.8
% Volatile matter (NVM(1)) .....	~ 55

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