

# SP 7000

## High Range Water Reducing Admixture

### PRODUCT DESCRIPTION

SP 7000 is a high range water reducing super plasticizer designed for use in concrete applications. SP 7000 provides fluidity to concrete slurries at substantially reduced water content. SP 7000 is based on a new generation polycarboxylate polymer technology.

### PRIMARY APPLICATIONS

SP 7000 is a versatile high water reducing agent which, without the addition of an anti-foam agent, can achieve water reduction from 30-45%. SP 7000 has excellent early compressive strength and low air performance with stable air conditions. SP 7000 is for use in Self Compacting Concrete, Precast and Ready-Mix applications.

### FEATURES/ADVANTAGES

- New generation of polycarboxylate ether
- High water reduction ability
- Versatile dispersant
- Excellent workability
- Increased productivity
- Reduced costs
- Confer good pumpability to concrete
- No anti-foam addition needed

### TYPICAL DATA

Nature: Aqueous solution of Polycarboxylate Ether  
 Appearance (70°F): Yellow to brownish liquid  
 Specific Gravity (70°F): 1.09  
 Chloride Content (%): < 0.01

Alkali Content (Na<sub>2</sub>O<sub>eq</sub>): < 3.5  
 Solids Content (%): 40  
 pH (70°F): 7.2

### SPECIFICATIONS/ COMPLIANCES

SP 7000 meets the requirements of ASTM C 494, Type A & F and is DOT approved.

### PERFORMANCE

SP 7000 high efficiency at low dosage in SCC and Precast applications enable you to combine performance and cost efficiency.

Customers are faced with some limitations when using conventional PCE. Above a given dosage, PCE's may become detrimental to the slurry stability. The different components of the concrete maybe begin to segregate. High dosage rates can be used, allowing the product to reach unmatched performances. SP 7000 can be recovered from overdosing by adding Riteks VC 1000 or Riteks VC 1100 SB. This water thickening agent will bring the batch back to workable conditions.

### DOSAGE

Dosage rates will vary depending on the materials used, ambient conditions and the requirements of a specific project. When using higher dosages rates, delayed set times may occur. Dosage rate- 3 to 15 fl. oz. per 100 lbs of cementitious material.

### RECOMMENDATIONS

SP 7000 does not contain defoamers. When a specific level of air entrainment is targeted, formulating SP 7000 together with an anti-foaming agent is recommended. Anti-synergistic effects have been reported when mixing polycarboxylate ethers and polynaphthalene sulfonates.



**PACKAGING/ SHELF LIFE**

5 gallon pail • 440 lb. drums • totes

Product may appear light yellow to slightly brown. These variations can occur under normal storage conditions and do not impact performance. Protect from the effects of weathering and store between 32° F and 100° F. Under these conditions, product should be used within 12 months of delivery.

**HEALTH & ENVIRONMENTAL DATA**

Please refer to the Material Safety Data Sheet

**Technical Data Sheet: Riteks, Inc.  
SP 7000**

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