



## 1.07 **FAST ACCELERATOR 2000**

*Low Temperature, Accelerating Admixture (Type C & E)*

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### **PRODUCT DESCRIPTION**

FAST ACC 2000 is a unique, Third generation, Polycarboxylate accelerating admixture for concrete. In laboratory and field evaluations against the major competitive non-chloride accelerators, FAST ACC 2000 has demonstrated unsurpassed acceleration of setting time and strength over a wide range of cold weather temperatures and dosages. With adequate protection, concrete containing FAST ACC 2000 can be placed in sub-freezing temperatures with superior rate-of-set and compressive strength results. Field evaluations must be conducted in order to determine the FAST ACC 2000 dosage necessary in order to meet rate-of-set and strength development requirements, minimum acceptable ambient and concrete temperatures considering your concrete components and jobsite conditions, and the level and length of protective measures.

### **BENEFITS**

- Superior set acceleration.
- Controlled acceleration (determined by dosage).
- Reduced segregation and bleeding.
- Greater impermeability.
- Superior finish ability.
- Increased durability.
- Earlier stripping and re-use of forms.
- Increased early and ultimate compressive and flexural strengths.
- Reduced protection time and/or protective measures in cold weather.

### **VALUE**

FAST ACC 2000 provides the greatest value in a non-chloride accelerator when comparing rate-of-set acceleration, strength gain, and cost per yd of concrete. Also, compare the performance and value of FASTCHEM's high quality FAST ACC 2000 admixture when producing high performance concrete through admixture systems.

### **RECOMMENDATIONS**

FAST ACC 2000 is designed for concrete where accelerated setting and strength gain characteristics are desired. FAST ACC 2000 is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. In addition to the set accelerating characteristics of FAST ACC 2000, the strength gains allow earlier finishing and form removal as well as reducing energy costs in cold weather concreting.

### **CHARACTERISTICS**

#### **Physical Properties**

- Specific gravity.....1.10@20°C
- AIR .... Less than 2%.
- Color.....Transparent Liquid
- Chloride Content ..... NIL
- PH.....6--8

**Shelf Life:** 1 year in original, unopened package.



# FastChem Technologies

*The Fast Chemistry for Construction*

## DOSAGE

**FAST ACC 2000** The recommended dosage range for FAST ACC 2000 is 33.8 to 52.8 ounces per 220.5 pounds (1000 to 1500 ml/100kg) of cement. As the quantity is increased, the acceleration of setting time is increased. In sub-freezing ambient temperatures, dosages of 67 ounces per 220.5 pounds (3000 ml/100kg) are frequently used. (Consult your FastChem representative for dosage recommendations.) It is highly recommended that trial mixes be conducted to determine the required dosage for desired set times and optimum performance. Caution: Depending upon the dosage used, delayed set times may occur with some cements when this product is used in conjunction with water reducers.

## DIRECTIONS FOR USE

FAST ACC 2000 can be dispensed into any of the concrete materials, except cement, but preferably into the water. FAST ACC 2000 is compatible with other admixtures; however, each admixture should be added to the mix separately.

## APPLICABLE STANDARDS

FAST ACC 2000 meets or exceeds the requirements of ASTM C-494, Type C & E.

## PACKAGING

FAST ACC 2000 is supplied in 55-gallon (210 liter) drums or in bulk delivery.

## TECHNICAL SERVICE

A trained FastChem representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field

## WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

**FastChem Technologies (Pvt) Ltd. Pakistan**

**Head Office Lahore:**

20-A. Commercial Area Pak Arab Housing  
Society Lahore.

Tel: 92(42)35803536 Mob: +92-322-4321261



**المكتب للشرق الاوسط**

٤٠٤، سوق، البحر، برج الخليفة،

دبي، متحده عرب الامارت،

رقم البريد: ٤٨٧١٧٧

Website: [www.fastchemtechnologies.com](http://www.fastchemtechnologies.com), Email: [info@fastchemtechnologies.com](mailto:info@fastchemtechnologies.com)