



# **CHEM ACCELERATOR -727**

**WATER REDUCING DYNAMIC STRENGTH SUPER PLASTICIZER & ACCELERATOR**

**Data Sheet**



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## WATER REDUCING DYNAMIC STRENGTH SUPER PLASTICIZER & ACCELERATOR

### **Description:**

**CHEM ACCELERATOR 727** (Dynamic Strength Accelerator) is a naphthalene base non-chloride, water-reducing admixture for concrete specifically designed to address the fast-track construction needs of the concrete industry.

At cooler temperatures, conventional accelerators reduce initial setting times. **CHEM ACCELERATOR 727** will not only accelerate initial setting characteristics significantly, but rather achieve high early compressive strengths.

Makes possible rapid reductions in water/cement ratios which allow increased strength development without excessive slump loss.

Use in production of flowing concrete which allows easy placing and compaction and reduced labour costs without increasing water content.

**CHEM ACCELERATOR 727** contains no added chlorides and will not promote the corrosion of steel.

### **Primary Applications:**

- For cast-pre-stressed concrete
- Ready mix concrete
- Hot weather concreting
- Cold weather concreting
- Concrete repair
- Fast concrete production

### **Features / Benefits:**

- Increases early strength development without sacrificing workability
- Reduces water
- Minimizes bleeding and segregation
- Replaces steam curing
- Quicker form turnaround
- Chloride free, non-chloride admixture, will not promote corrosion of reinforcement

### **Specifications / Compliances:**

Meets or exceeds **ASTM C-494**, Type A & F admixture.

Complies with **AASHTO-M-194**.

### **Technical Information & Physical Properties:**

- **Specific gravity:** ~1.155 @ 20°C ± 2%
- **Freeze point:** -4°F (-20°C)
- **Color:** Brown
- **Shape:** Liquid
- **Shelf Life:** 1 year in original, unopened package.

### **Directions for Use:**

Add **CHEM ACCELERATOR 727** to the final mix water. DO NOT dispense directly onto cement.

### **Dosage range:**

From 1.00 - 3.00 liters / 100 kg of cementitious materials.

Higher dosage rates may be used depending on concrete characteristics and job conditions.

### **Important:**

Performance should be verified and dosages adjusted based on weather and jobsite conditions.

### **Appearance:**

**CHEM ACCELERATOR 727** is a brown liquid and will not affect the color of concrete.



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### **Precautions / Limitations:**

**CHEM ACCELERATOR 727** will freeze at temperatures of approximately -4°F (-20°C).

Freezing and thawing will not harm the material if thoroughly remixed.

Do not use for agitation.

Dispense independently from other admixtures directly onto dry cement.

In cold weather, always follow ACI 306 – Standard Specification for Cold Weather Concreting.

### **Warranty:**

The Chemcons Chemicals LLC ("CHEMCONS") solely and expressly warrants that its products shall be free from defects in materials and workmanship for a period of six (6) months from the date of the claimed breach.

Unless authorized in writing by Chemcons, no warranty is given for a particular use or application. Chemcon's obligation shall be limited solely to the refund of the purchase price or replacement of any product proven defective.

No warranty or guarantee is made as to results obtained. **CHEMCONS** shall not be liable for any loss or damage arising from use of this product.

Buyer shall determine suitability before use and assumes all risk and liability.

For ordinary or particular purposes of the product, Chemcons shall not be responsible for any incidental or consequential damages. Buyer shall be solely responsible for determining the suitability of Ultra products for the Buyer's intended purpose.

### **Storage:**

- Avoid placing in direct contact to sunlight and always store in shady areas.
- When sampling from opened or new barrels, close tightly after use.
- Shelf life: 12 months from manufacture if stored properly.
- Product may slightly separate which does not affect quality or performance and may be used after mixing properly.

### **Packaging:**

**CHEM ACCELERATOR 727** is packaged in bulk, 245kg / 210ltr, 35kg / 30ltr.

#### **FOR YOUR INFORMATION:**

CHEMCONS Construction Chemicals Company is the wide range manufacturer of construction chemicals, including concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, heatproof coatings, grouts & Tile Bond.

**Separate Technical Data Sheets are available for these products.**