



1.03 FASTCHEM RETARDER 800

Set-Retarding Concrete Admixture

PRODUCT DESCRIPTION

Fast Retarder & Plasticizer (RP) 800 is a water-reducing set retarding admixture for concrete based upon a combination of highly purified lignosulfonates and hydration enhancing components. Fast RP 800 provides a more plastic and flow able concrete, greater impermeability, reduced shrinkage, and higher compressive strengths in your concrete. Fast RP 800 facilitates placing and finishing by providing controlled retardation of the concrete's setting time to meet individual project requirements.

BENEFITS

- Increased workability.
- Easier place ability.
- Reduced shrinkage and cracking.
- Easier and faster pumping.
- Greater impermeability.
- Reduction in segregation.
- Enhanced uniformity.
- Increased durability.
- Improved appearance.
- Increased strengths.

RECOMMENDATIONS

Fast RP 800 is recommended for applications where climatic or jobsite conditions require controlled retardation while enhancing the performance characteristics of concrete. Fast RP 800 is calcium chloride free and is recommended for use in all types of concrete including plain, reinforced, precast and prestressed concretes. Fast RP 800 is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. Fast RP 800 set-retarding

admixture is recommended for the optimum in finish ability and overall performance.

DOSAGE

The recommended dosage range for Fast RP 800 is 0.3 to 0.9 liters per 100 kg of cement. Set-retardation and performance enhancement will increase with increases in dosage rates. It is suggested that trial mixes be conducted in order to determine the required dosage for optimum performance with your concrete components.

DIRECTIONS FOR USE

Fast RP 800 can be dispensed into any of the concrete materials, except cement, but preferably into the water. Fast RP 800 is compatible with other admixtures; however, each admixture should be added to the mix separately. Fast RP 800 should be kept from freezing. If accidentally frozen, thawing and thoroughly remixing can restore its properties.

APPLICABLE STANDARDS

Fast RP 800 meets or exceeds the requirements of ASTM C 494, Types B and D.

PHYSICAL&CHEMICAL PROPERTIES

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|----------------------|-------------------|
| • Appearance: | Dark brown liquid |
| • SG: | 1.150@20°C |
| • Chloride Contents: | NIL |
| • AIR | > 3% |
| • PH | 7 - 8 |



FastChem Technologies

The Fast Chemistry for Construction

PACKAGING

Fast RP 800 is supplied in either 55-gallon (208 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.

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