



1.02 FASTCHEM PCR 900

Poly-Carboxylate Retarding Admixture

PRODUCT DESCRIPTION

Fast Polycarboxylate retarder & Plasticizer (PCR) 900 is a 3rd generation, synthetically manufactured, set-retarding, Strength increasing admixture for concrete. Fast RP 900 provides for a more plastic and flowable concrete, greater uniformity, increased durability, reduced shrinkage and permeability in your concrete. Fast PCR 900 facilitates placing and finishing by providing controlled retardation of the concrete's setting time, preventing premature stiffening.

BENEFITS

- Controlled retardation (determined by dosage)
- Increased workability and easier place ability
- Easier and faster pumping of concrete
- Improved finishing characteristics for flatwork
- Reduced shrinkage and cracking
- Reduced segregation at a given slump
- Greater impermeability
- Increased concrete durability and uniformity
- Improved appearance of architectural concrete
- Increased strength at all ages

RECOMMENDATIONS

Since Fast RP 900 is calcium chloride free, it is recommended for use in all types of concrete including plain, reinforced, precast and prestressed concretes. Fast PCR 900 is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag.

DOSAGE

The recommended dosage range for Fast RP 900 is 0.3 to 0.85 liters per 100 kg of cement.

CHARACTERISTICS

- Density: 1.10@20°C(±.005 @ 20°C)
- Appearance: Clear Liquid
- PH: 6.5 ---8.0 +_1.0
- Chlorides: Nil
- Air Percentage: Less than 2% but additional air may be entrained at normal dosage
- Alkali content: Typically less than 5.0 g. Na₂O equivalent/liter of admixture.

TEST RESULTS

- Concrete specimens were prepared and tested by an independent laboratory in accordance with CSA A266.2 TYPE WR, WN, R and RX.
- The three (3) samples being tested all had similar slump, temperature (20°C), air contents, and water/cement ratios.



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DIRECTIONS FOR USE

Fast PCR 900 can be dispensed into any of the concrete materials, except cement, preferably into the water. Fast PCR 900 is compatible with other admixtures; however each admixture should be added to the mix separately.

APPLICABLE STANDARDS

Fast PCR 900 meets or exceeds the requirements of CSA, CAN3 1266.2, RX, ASTM C 494 Type A, B & D admixture.

FastChem retarder plasticizer meets the requirements of AASHTO M-194.BS-5075 part1

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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