



1.15 FAST 2200 PC

Admixture for Super-High Strength and Flow-able Concrete

PRODUCT DESCRIPTION

FAST 2200 PC is a new generation super plasticizer based on polycarb oxylate technology. This product is designed to provide the highest performance of water reduction, while providing excellent flow ability during placement, and excellent slump retention without affecting initial setting time. This product incorporates the latest state of the art technology in high performance concrete. FAST 2200 PC was designed to produce super high-strength concrete, flow able and self-compacting concrete in a variety of applications.

BENEFITS

- Provides a linear dose response to provide desired water reductions. It is recommended for precast, prestressed and block/paving applications, but can also be used in ready-mix concrete where high strength, self-compacting properties are specified.
- Provides a linear response to allow high levels of water reduction as well as maintaining the level of workability for longer periods of time versus conventional super plasticizers.
- Concrete mixes produced can exhibit a cohesive and non-segrating concrete.
- Can produce lower product costs with the ability to better design the super plasticizer performances to jobsite conditions, including faster and easier placement, enhanced finish ability and reduced curing costs.
- More efficient pumping of concrete with pump pressures reduced as much as 50%.
- Reduced discharge and turn-around time for trucks.

- Improves impermeability to reduce sulfate attack.
- Increased productivity, resulting in reduced labor costs.
- Faster reuse of forms.
- Increased strengths at all ages.

RECOMMENDATIONS

FAST 2200 PC is recommended for use in all types of concrete including plain, reinforced, extruded, precast, prestressed, flow able and self-compacting concrete. FAST 2200 PC is very effective in concrete containing pozzolanic materials such as fly ash, silica fume and slag.

DOSAGE

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Recommended dosage range for FAST 2200 PC is 3 to 10 ounces per 100 pounds (200 mls to 650 mls per 100 Kg) of cement for most mix designs. FAST 2200 PC has a linear dosage response so the dosage amount can be precisely tailored to the degree of water-reduction or slump characteristics required for the application. Because of the variability in cements, field conditions, and other ingredients in the mix, it is highly recommended that trial mixes be prepared to determine the optimum dosage for your specific performance requirements.

DIRECTIONS FOR USE

For optimum results, introduce FAST 2200 PC towards the end of the mixing process.



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The Fast Chemistry for Construction

FAST 2200 PC maintains its super plasticized consistency for up to 90 minutes depending on the dosage and environmental conditions. Factors to consider are ambient temperature, transport distance, and jobsite delays. FAST 2200 PC can be used in conjunction with and is compatible with all of FastChem's non-chloride accelerators. Combining FAST 2200 PC with any other admixture containing Naphthalene Sulfonates such as FAST 1000 SP-MN, may result in a rapid slump loss. Mixing and transporting equipment should be thoroughly washed between subsequent batches of concrete containing Naphthalene Sulfonates and FAST 2200 PC

APPLICABLE STANDARDS

FAST 2200 PC meets or exceeds ASTM C-494-98, Types A and F, as well as ASTM C-1017-97. FAST 2200 PC does not contain calcium chloride.

CHARACTERISTICS

Specific Gravity.....1.10 @20⁰C

Freezing point-4F (20⁰C)

PACKAGING

FAST 2200 PC is supplied in either 55 gallon drums (210 liter) or delivered in bulk. FAST 2200 PC should be kept above -1°C (30°F). If accidentally frozen, its properties can be restored by thawing and thoroughly re-mixing by mild mechanical agitation.

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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