



1.28 Fast 2200 PC + ASR

*Admixture for Super-High Strength, Flow-able Concrete &
also resist Alkali-Silica Reaction in Concrete*

PRODUCT DESCRIPTION

FAST 2200 PC + ASR 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 flowability during placement, and excellent slump retention without affecting initial setting time. This product incorporates the latest state of the art technology in the high performance concrete. FAST 2200 PC + ASR was designed to produce super high-strength concrete, flowable and self-compacting concrete in a variety of applications. Fast 2200 PC + ASR is a lithium nitrate based admixture used to control alkali-silica reaction (ASR) in high-alkali concrete, produced when using reactive aggregate.

BENIFITS

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

- 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.

RECOMMENDATION

FAST 2200 PC is recommended for use in 8 all types of concrete including plain, einforced, 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 whater reduction desired. Recommended dosage range for FAST 2200 + ASR is 1kg to 3kg per 100Kg of Cement. FAST 2200 PC + ASR 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 applcation. Because of the variability in cemen t, field conditions, and other ingredients in the mix, it is highly recommended that trial mixes be preprepared to determine the optimum dosage for your specific performance requirements.

DIRECTION FOR USE

For optimum result, introduce FAST 2200 PC + ASR towards the end of the mixing process. 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.



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APPLICABLE STANDARDS

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

CHARACTERISTICS

Specific Gravity	1.10 @20°C
Freezing Point	-4F (20°C)

PACKAGING

FAST 2200 PC + ASR is supplied in either 55 gallon drums (210 liters) or delivered in bulk. FAST 2200 PC + ASR 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

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 recommendation, statements and technical data herein are based on test 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 fitness for a particular purpose. Satisfactory results or an implied warranty of 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