



1.10 FAST ANTI-FREEZE 1150

Non-chloride, Accelerating Admixture

PRODUCT DESCRIPTION

Fast Anti-Freeze 1150 is a new generation, cost effective, non-chloride accelerating admixture for concrete. Fast Anti-Freeze 1150 is designed to accelerate the setting time of concrete and particularly that of fly ash concrete, while providing higher early and ultimate strengths, especially designed for low temperature concrete.

BENEFITS

- Set acceleration without corrosion.
- Controlled acceleration (determined by dosage).
- Reduced segregation and bleeding.
- Greater impermeability.
- Increased durability and uniformity.
- Increased strength at all ages.

RECOMMENDATIONS

Fast Anti-Freeze 1150 are designed for concrete where accelerated-setting are desired. FAST Anti-Freeze 1150 are especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. Fast Anti-Freeze 1150 are recommended for applications where the use of chlorides would be undesirable such as:

- Prestressed concrete
- Concrete bridge deck repair
- Concrete placed on galvanized steel floor and roof systems
- Concrete pipe
- Reinforced concrete in most environments

In addition to the set-accelerating characteristics of Fast Anti-Freeze 1150 strength gains allow earlier finishing and form removal as well as reducing energy costs in cold weather concreting.

COLD WEATHER CONCRETING

Fast Anti-Freeze 1150 are very effective at continuing the heat of hydration process at low temperatures. As a function of temperatures.

TECHNICAL INFORMATION

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|---------------------|-------------------------|
| • Specific Gravity: | 1.140@20 ⁰ C |
| • PH | 6-8.5 |
| • Color: | Dark Brown |

STATEMENT

Which factor is most important, that an accelerator not contain chlorides, or is noncorrosive? At FastChem, we believe it is critical that the accelerator be noncorrosive. To accomplish this fact, Fast Anti-Freeze 1150 contains no chlorides or thiocyanates. Results, Fast Anti-Freeze 1150 are a truly noncorrosive accelerator. Fast Anti-Freeze 1150 WILL NOT prevent concrete from freezing. For sub-freezing temperatures, we suggest using FAST Anti-Freeze 1150.

DOSAGE

Fast Anti-Freeze 1150 are normally used at dosage rates of 1 liter to 2.05 liter per 100 kgs of cement. As the quantity is increased, the acceleration of setting time is increased. It is suggested that trial mixes be conducted in order to determine the required dosage for optimum performance with specific concrete components.



FastChem Technologies

The Fast Chemistry for Construction

VALUE

Fast Anti-Freeze 1150 provides the greatest value in a non-chloride accelerator when comparing rate-of-set acceleration, strength gain, and treated cost of concrete. Also, compare the performance and value of FastChem's high quality Fast admixture when producing high performance concrete.

DIRECTIONS FOR USE

Fast Anti-Freeze 1150 can be dispensed into any of the concrete materials, except cement, but preferably into the water. Fast Anti-Freeze 1150 is compatible with other admixtures; however each admixture should be added to the mix separately.

APPLICABLE STANDARDS

Fast Anti-Freeze 1150 meet or exceed the requirements of ASTM C 494; Type A, F, admixture.

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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