



1.10 XPERT ANTI-FREEZE 1150

Non chloride, Accelerating Admixture.

PRODUCT DESCRIPTION

XPERT Anti-Freeze 1150 is a new generation, cost effective, non-chloride accelerating admixture for concrete. XPERT 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

XPERT Anti-Freeze 1150 are designed for concrete where accelerated setting is desired. XPERT Anti-Freeze 1150 are especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. XPERT 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 XPERT Anti-Freeze 1150 strength gains allow earlier finishing and form removal as well as reducing energy costs in cold weather concreting.

DIRECTIONS FOR USE

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

APPLICABLE STANDARDS

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

DOSAGE

XPERT 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 to determine the required dosage for optimum performance with specific concrete components.

STATEMENT

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

CHARACTERISTICS

CATEGORY	PARAMETERS
Specific Gravity	1.140 @ 20°C
Appearance	Brown Liquid
Chlorides	Nil
PH	6 - 8.5
Shelf Life	1 year in original, unopened package

COLD WEATHER CONCRETING

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

VALUE

XPERT 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 XPERT's high quality fast admixture when producing high performance concrete.