



# 1.07 XPERT AC 950

## Low Temperature, Accelerating Admixture (Type C & E)

### PRODUCT DESCRIPTION

XPERT AC 950 is a unique, next generation, non-chloride accelerating admixture for concrete. In laboratory and field evaluations against the major competitive non-chloride accelerators, XPERT AC 950 has demonstrated unsurpassed acceleration of setting time and strength over a wide range of cold weather temperatures and dosages. With adequate protection, concrete containing XPERT AC 950 can be placed in sub-freezing temperatures with superior rate-of-set and compressive strength results. Field evaluations must be conducted to determine the XPERT AC 950 dosage necessary to meet rate-of-set and strength development requirements, minimum acceptable ambient and concrete temperatures considering your concrete components and jobsite conditions, and the level and length of protective measures.

### BENEFITS

- Superior set acceleration.
- Controlled acceleration (determined by dosage).
- Reduced segregation and bleeding.
- Greater impermeability.
- Superior finish ability.
- Increased durability.
- Earlier stripping and re-use of forms.
- Increased early and ultimate compressive and flexural strengths.
- Reduced protection time and/or protective measures in cold weather.

### DIRECTIONS FOR USE

XPERT AC 950 can be dispensed into any of the concrete materials, except cement, but preferably into the water. XPERT AC 950 is compatible with other admixtures; however, each admixture should be added to the mix separately.

### APPLICABLE STANDARDS

XPERT AC 950 meets or exceeds the requirements of ASTM C-494, Type C & E.

### VALUE

XPERT AC 950 provides the greatest value in a non-chloride accelerator when comparing rate-of-set acceleration, strength gain, and cost per yd of concrete. Also, compare the performance and value of XPERT's high quality XPERT AC 950 admixture when producing high performance concrete through admixture systems.

### DOSAGE

XPERT AC 950 The recommended dosage range for XPERT AC 950 is 33.8 to 52.8 ounces per 220.5 pounds (1000 to 1500 ml/100kg) of cement. As the quantity is increased, the acceleration of setting time is increased. In sub-freezing ambient temperatures, dosages of 67 ounces per 220.5 pounds (3000 ml/100kg) are frequently used. (Consult your XPERT representative for dosage recommendations.) It is highly recommended that trial mixes be conducted to determine the required dosage for desired set times and optimum performance. Caution: Depending upon the dosage used, delayed set times may occur with some cements when this product is used in conjunction with water reducers.

### CHARACTERISTICS

CATEGORY	PARAMETERS
Specific Gravity	1.10 @ 20°C
Appearance	Transparent liquid
Chlorides	Nil
Air Percentage	Less than 2%
PH	6 - 8
Shelf Life	1 year in original, unopened package

### RECOMMENDATIONS

XPERT AC 950 is designed for concrete where accelerated setting and strength gain characteristics are desired. XPERT AC 950 is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. In addition to the set accelerating characteristics of XPERT AC 950, the strength gains allow earlier finishing and form removal as well as reducing energy costs in cold weather concreting.

### PACKAGING

XPERT AC 950 is supplied in 55-gallon (210 liter) drums or in bulk delivery.