



1.06 FAST 450 GP

Variable Dosage “General Purpose” Admixture for Concrete

PRODUCT DESCRIPTION

FAST 450 GP is a new generation mid-range water-reducing admixture formulated to increase water reduction and compressive strengths and enhance finish ability. Normal concrete setting characteristics are obtained at recommended dosage range.

BENEFITS

- Water Reduction: Type A @ 0.4-0.44 w/c
- Superior finishing characteristics.
- Easier and faster pumping of concrete.
- Reduced concrete shrinkage and cracking.
- Increased compressive and flexural strengths.
- Greater concrete impermeability and durability.
- Extended slump retention.
- Improved appearance of architectural concrete.

RECOMMENDATIONS

FAST 450 GP is especially effective in lean concretes and/or concretes containing such pozzolanic materials as fly ash, silica fume and slag. FAST 450 GP produces concrete with a lower unit water content resulting in more impermeable and durable concrete.

DOSAGE

The recommended dosage range for FAST 450 GP 400 to 1000 ml per 100 Kg of cement as an ASTM C-494 Type A admixture. If FastChem water reduction is required, dosage rates up to 1200 ml per 100 kgs of cementitious may be used; however, it is recommended that trial mixes be conducted in order to determine the required dosage for optimum performance with your concrete components

DIRECTIONS FOR USE

FAST 450 GP can be dispensed into any of the concrete components, except cement, but preferably into the water. FAST 450 GP is compatible with other admixtures; however, each admixture should be added to the mix separately. FAST 450 GP SHOULD BE KEPT FROM FREEZING. HOWEVER, IF PRODUCT HAS FROZEN, ITS PROPERTIES CAN BE RESTORED BY THAWING AND THOROUGHLY REMIXING.

APPLICABLE STANDARDS

FAST 450 GP meets or exceeds the requirements as an ASTM C-494, Type A. Admixture within the recommended dosage ranges. FAST 450 GP does not contain calcium chloride or any other intentionally added chloride containing ingredients.

CHARACTERISTICS

- Specific Gravity: 1.10 @ 20°C (+ 0.005 @ 20°C)
- Appearance: Dark Brown Liquid
- Chlorides: Nil
- Air Percentage: Less Than 2% but additional air may be entrained at normal dosage.
- Alkali content: Typically less than 5.0 gm Na₂O Equivalent/liter of admixture.

PACKAGING

FAST 450 GP is supplied in either 55-gallon (210 liter) drums or in bulk delivery.

