



1.06 XPERT 450 GP

Variable Dosage "General Purpose" Admixture for Concrete

PRODUCT DESCRIPTION

XPERT 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.

DIRECTIONS FOR USE

XPERT 450 GP can be dispensed into any of the concrete components, except cement, but preferably into the water. XPERT 450 GP is compatible with other admixtures; however, each admixture should be added to the mix separately. XPERT 450 GP should be kept from freezing. However, if product has frozen, its properties can be restored by thawing and thoroughly remixing.

APPLICABLE STANDARDS

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

RECOMMENDATIONS

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

DOSAGE

The recommended dosage range for XPERT 450 GP 400 to 1000 ml per 100 Kg of cement as an ASTM C-494 Type A admixture. If fast 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 to determine the required dosage for optimum performance with your concrete components.

PACKAGING

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

CHARACTERISTICS

CATEGORY	PARAMETERS
Specific Gravity	1.10@20° C (+ 0.005 @ 20oC)
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

TECHNICAL SERVICE

A trained XPERT representative is available to assist in the Preparation of specifications, and the resolution of concrete Problems in the field.

HEALTH & SAFETY

- Protect hands with rubber gloves and eyes with goggles.
- Accidental splashes to the skin or eyes must be rinsed immediately with clean water.
- Store in well-labeled containers.
- If required, get medical attention.