



1.14 **XPERT A.E 360**

Air-Entraining Admixture Low Dosage

PRODUCT DESCRIPTION

XPERT A.E. 360 is an aqueous solution of a unique, synthetically manufactured surfactant for the air entrainment of concrete. XPERT A.E. 360's patented formula provides superior controllability of the air content, and finish ability in air entrained concrete. XPERT A.E. 360 increases concrete's durability making it more resistant to the damaging effects of freezing and thawing while improving workability and reducing bleeding. XPERT A. E. 360 is carefully formulated and subjected to stringent quality control to guarantee superior results in both the plastic and hardened concrete.

BENEFITS

- Superior resistance to freeze-thaw cycles and scaling.
- Improves workability.
- Reduces bleeding.
- Reduces size and number of capillary channels increasing impermeability.
- Increased compressive strength in lean mixes.
- Substantially increased durability.
- Increases moisture retention for cement hydration.
- Superior air voids system.

RECOMMENDATIONS

XPERT A.E. 360 is designed for use in exterior concrete such as highway paving, curb and gutters, sidewalks, driveways, slabs, walls or other areas needing protection from freeze-thaw damage or the harmful effect of de-icing salts. XPERT A.E. 360 is effective in increasing the workability of the concrete especially in lean or harsh mixes. Combine XPERT A.E. 360 with XPERT 1000 or 2000 admixture series for ultimate strengths and durability.

DOSAGE

The recommended dosage range for XPERT A.E. 360 is 0.55 to 7.0 ounces per 100 pounds (66 to 490 ml/100kg) of cement. Various concrete making materials, slump, and ambient air temperature, additions of pozzolanic materials, mixing time and type and brand of cement will affect dosage rates. Conduct trial mixes to determine the dosage necessary for XPERT A.E. 360 to obtain the required percentage of entrained air. In addition, a regular program of air tests should be instituted in order to adjust the dosage to changing conditions.

DIRECTIONS

XPERT A.E. 360 can be dispensed into any of the concrete materials, except cement or fly ash, but preferably into the sand. XPERT A.E. 360 is compatible with other admixtures; however, each admixture should be added to the mix separately. XPERT A.E. 360 should be kept from freezing. If accidentally frozen its properties can be restored by thawing and thoroughly remixing by mild mechanical agitation.

APPLICABLE STANDARDS

XPERT A.E. 360 meets or exceeds the requirements of ASTM C -- 260.

PACKAGING

XPERT A.E. 360 is supplied in either 55-gallon (210 liter) drums or in bulk delivery.