



1.18 XPERT WP 970

Water Proofing / Water Reducer & Retarder Super Plasticizer

PRODUCT DESCRIPTION

XPERT WP 970 is a water proofing/water reducer & retarder super plasticizer admixture. Calcium stearate dispersion developed to function as a water protective additive to cement based construction forms, when used as an internal additive. XPERT WP 970 is chemically designed to provide resistance to water penetration to building structures such as concrete /concrete blocks and masonry walls.

DIRECTIONS FOR USE

XPERT WP 970 is readily dispersible in concrete and mortar mixes assuring uniformity of distribution for optimum protection to water. Water ingress in the block is the most detrimental factor for its durability. It will determine its resistance to frost damage and corrosive agents that attack the steel reinforcement of the concrete. The action of XPERT WP 970 on blocking the capillary seepage of water through the paste will reduce those damaging effects. In house tests were conducted to determine the performance of XPERT WP 970 in protecting against water seepage through specimens made of a mortar mix based on ASTM C-109. Specimens were cured at room temperature, 100% humidity for 7 days and 24 hours at 150° F. The rate of water seepage was measured in triplicate, at atmospheric pressure. No water reducers were used since they can have an influence on the permeability of the paste. The attached diagram shows the results in permeability obtained when XPERT WP 970 was incorporated in the mortar mix at 1.5%, 2.0% and 3.5% solids based on the cement contents of the mix.

TECHNICAL SERVICE

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

APPLICABLE STANDARD

ASTM C-494, Type A, F and Type G admixture. Complies with AASHTO-194.

PACKAGING

XPERT WP 970 is supplied in 55-gallon (210 liter), lined steel drums. Keep from freezing. Store at room temperature to prevent damage of the product. Additional handling information is contained in a Material Safety Data Sheet (MSDS).

CHARACTERISTICS

CATEGORY	PARAMETERS
Density	1.10 @ 200°C
Appearance	Brown Liquid
PH	8.5
Chloride Content	Nil
Free Alkali	Nil
% Solid Content	25