



1.17 XPERT Powder 5000 (WP)

Water Proofing Agent for Concrete Block

PRODUCT DESCRIPTION

XPERT Powder 5000 (WP) is a calcium stearate dispersion developed to function as a water protective additive to cement based construction forms, when used as an internal additive. XPERT Powder 5000 (WP) is chemically designed to provide resistance to water penetration to building structures such as concrete blocks and masonry walls.

DIRECTIONS FOR USE

XPERT Powder 5000 (WP) 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 Powder 5000 (WP) 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 Powder 5000 (WP) 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 Powder 5000 (WP) 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.

DOSAGE RATES

1-2 kg/50 kg bag of cement.

PACKAGING

XPERT Powder 5000 (WP) is supplied in 10 kg bag into 1 kg packing), lined poly bags. Store at room temperature to prevent damage of the product. Additional handling information is contained in a Material Safety Data Sheet

CHARACTERISTICS

| CATEGORY | PARAMETERS |
|-----------------|-----------------------|
| Density | 800 kg/m ³ |
| Appearance | White |
| PH | 8.5 |
| Viscosity | < 0.8 cps |
| Free Alkali | Nil |
| % Solid Content | 100 |