

WATERVEX

INTEGRAL WATER PROOFING ADMIXTURE FOR CONCRETE

DESCRIPTION

WATERVEX is a permeability reducing admixture for use with all type of mortar and concrete mixes. It is particularly suitable for use in ready mixed concrete and all types of structural concrete. It is also usefully employed in precast concrete involving use of wet and semi dry concrete.

FEATURES

WATERVEX is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product. The ingredient present is WATERVEX forms a thin hydrophobic layer within pores and voids of concrete to provide maximum reduction in permeability without any unwanted side effects.

When tested in accordance with B.S 1881, part 122, water absorption was found to be reduced approximately 50% of control value.

USES

WATERVEX can be used for the preparation of watertight concrete employed in construction of water retaining structures, concrete roofs, basements, tunnels, sea walls, tanks, swimming pools, construction in humid atmospheric conditions etc.

WATERVEX is suitable for damp proofing screeds in bathrooms, kitchens, and external render.

ADVANTAGES

- WATERVEX prevents capillary action and reduces permeability in concrete and permanently protects it against dampness and under water pressure.
- Imparts to the mortar or concrete the properties of an impermeable material without restraining the breathing of structure.
- Reduces the quantities of water needed in the mix due to its plasticizing properties, thus strength and impermeability of concrete will be improved.
- Sulfate attack is reduced, as the sulfate bearing ground water being resisted.

TYPICAL PROPERTIES

Appearance:

Turbid yellow liquid

Specific gravity:

1.04 at 25°C

Chloride content:

Nil to BS 5075

Toxicity:

Non-toxic.

Compatibility with cement:

WATERVEX can be used with all types of portland cement. It can also be used in mix designs containing fly ash and microsilica.

Compatibility with other admixtures:

Compatible with other Ahlia admixtures, if added separately to the mix. WATERVEX should not be premixed with other admixtures.

Shelf life:

At least 18 months if stored in tightly closed containers at normal ambient temperature.

DIRECTIONS FOR USE

WATERVEX is supplied ready for use. Trials should be conducted on site using the actual concrete mix to determine the exact quantity of WATERVEX to be admixed, so as to produce waterproof concrete conforming to the particular standards. Good concrete practice must be followed at all times.

Dosage:

1.0 liter per 100 kg of cement weight (It is advisable to add other approved water-reducing admixture to achieve required workability and concrete properties).

Dispensing:

Best by a dispenser into the gauging water or directly with water into the mixer.

Overdosing:

An overdose of double the recommended dose of WATERVEX can result the retardation of initial set of concrete. The ultimate strength of the concrete will not be impaired if properly cured.

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SAFETY PRECAUTIONS

WATERVEX is non-toxic and non-flammable. Splashes to eyes should be washed immediately with abundant water. It is advisable to use goggles and gloves while handling WATERVEX.

PACKAGING

WATERVEX is supplied in 205 liter barrels and 20 liter cans.

STORAGE

Preferably store in closed conventional containers, protected from extreme weather conditions.

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note: The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

As all Ahlia Technical Data Sheets are updated on a regular basis, it is the user responsibility to collect most recent issue.