



ALFAPLAST WP160

Integral waterproofing admixture for concrete

DESCRIPTION

ALFAPLAST WP160 is a ready to use liquid concrete admixture that will effectively prevent moisture from entering concrete structures.

ALFAPLAST WP160 will reduce secondary efflorescence in concrete which will help maintain color integrity.

USES

- ◆ Concrete Admixture for Waterproofing.
- ◆ Ready mix concrete
- ◆ Precast concrete
- ◆ All concrete works where good workability and increased waterproofing properties are required such as: swimming pools, sea walls, tunnels, bridges, basement, etc.

ADVANTAGES

- ◆ Concrete water-proofer
- ◆ Reduced secondary efflorescence
- ◆ Integral protection is maintained even if surface damaged occurs, unlike applied surface film or coating.
- ◆ Low water cement ratio improves compressive strength at same workability
- ◆ Provides integral protection, reduced concrete permeability.
- ◆ Improved workability & pumping properties.
- ◆ Improved cohesion minimizes risks of segregation, bleeding and creep.
- ◆ Denser concrete improves waterproofing properties and protection of reinforcement steel against detrimental water-borne ion attack.
- ◆ Specially formulated for hot weather concreting.

TECHNICAL SUPPORT

Al Falah Chemicals provides a technical advisory service for on-site assistance and advice on mix design, product selection, evaluation trials and dispensing equipment.

DOSAGE

The optimum dosage of ALFAPLAST WP160 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.80 to 1.50 liters / 100 kg of cementitious material.

TECHNICAL DATA

Appearance	Brown Liquid
Specific gravity	Typically 1.12 - 1.13 at 20°C
Chloride content	Nil to BS 5075 & BSEN934-2
Alkali content	Typically less than 50.0 g. Na ₂ O Equivalent / liter of admixture

STANDARDS

ASTM C494	Type A & G
BS 5075	Part 1

PACKAGING

Supplied in	Jerry Can / Drum
Storage	Avoid to place direct to sunlight and always store in shady areas
Shelf life	12 months, when stores as above
Hazard class	Water based and non-flammable

COMPATIBILITY

ALFAPLAST WP160 is compatible with all types of cement complying with international standards. It can be used in combination with the following admixtures and additives

- ◆ Air entraining admixtures
- ◆ Anti freezing admixture
- ◆ Pozzolanz (Micro silica, flyash, GGBFS)
- ◆ Synthetic fibers
- ◆ Alkali silica reaction control admixture
- ◆ Waterproofing admixture

STORAGE / SHELF LIFE

This Product must be stored where temperatures do not drop below +5°C, If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage consult your local Alfalah representative.

PRECAUTIONS

Health and Safety

This product does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product.

FIRE

This product is water based and non-flammable

STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this Alfalah Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Alfalah Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Alfalah Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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American Concrete Institute